ZSWZ AD 2.1 机场地名代码和名称 Aerodrome location indicator(ICAO / IATA) and name

ZSWZ/WNZ-温州/龙湾 WENZHOU/Longwan

ZSWZ AD 2.2 机场地理位置和管理资料 Aerodrome geographical and administrative data

1	机场基准点坐标及其在机场的位置 ARP coordinates and site at AD	N27°54.6′ E120°51.2′ Center of RWY
2	机场基准点与城市的位置关系 Direction and distance from city	123° GEO, 21.9km from Wenzhou branch of ICBC
3	机场标高、基准温度、低温均值 ELEV/Reference temperature/Mean low temperature	5.1 m/32.7℃(AUG)/6.6℃(FEB)
4	机场标高位置的大地水准面波幅 Geoid undulation at AD ELEV PSN	
5	磁差（测量年份）及年变率 VAR(Year)/Annual change	4°W/-
6	机场管理部门、地址、电话、传真、AFS 地址、电子邮箱、网址 AD administration/Address/Telephone/Telefax/AFS/ E-mail/Website	Wenzhou Airport Group CO. LTD. Nr.1 Airport Street, Wenzhou, Zhejiang province, China Post code:325024 TEL:86-577-85807766/85807733/85807755 FAX:86-577-86374941 AFS:ZSWZYDYX E-mail:wnzaoc@wzair.cn Website:www.wzair.cn
7	允许飞行种类 Types of traffic permitted(IFR/VFR)	IFR-VFR
8	机场性质/飞行区指标 Military or civil airport/Reference code	CIVIL/4E
9	备注 Remarks	Nil

ZSWZ AD 2.3 工作时间 Operational hours

1	机场开放时间 AD Operational hours	H24
2	海关和移民 Customs and immigration	HS or O/R
3	卫生健康部门 Health and sanitation	HS or O/R
4	航空情报服务讲解室 AIS Briefing Office	H24
5	空中交通服务报告室 ATS Reporting Office	H24

6	气象服务讲解室 MET Briefing Office	H24
7	空中交通服务 Air Traffic Service	H24
8	加油服务 Fuelling	H24
9	地勤服务 Handling	H24
10	安保服务 Security	H24
11	除冰服务 De-icing	Nil
12	备注 Remarks	Nil

ZSWZ AD 2.4 地勤服务和设施 Handling services and facilities

1	货物装卸设施 Cargo-handling facilities	Platform lorry, container tractor, towing vehicle, conveyor truck, platform lift (14t), fork (5t)
2	燃油牌号 Fuel types	Jet Fuel No.3,Jet A-1
3	滑油牌号 Oil types	Nil
4	加油设施/能力 Fuelling facilities & Capacity	Rufueling truck (45000L/35000L) , 63L/s; hydrant cart, 63L/s; refueling pipeline, 100L/s.
5	除冰设施 De-icing facilities	Nil
6	过站航空器机库 Hangar space for visiting aircraft	Nil
7	过站航空器的维修设施 Repair facilities for visiting aircraft	Line maintenance available for aircraft type A319/320/321, B737NG. Maintenance require pre-coordinate. No aircraft parts suppliment, and no equipment for changing engine.
8	备注 Remarks	AC/DC power supply unit, double-pipeline air supply unit, aircraft towing vehicle

ZSWZ AD 2.5 旅客设施 Passenger facilities

1	宾馆 Hotels	At AD
2	餐饮 Restaurants	At AD

3	交通工具 Transportation	Taxis, airport shuttle bus, Rail Transit
4	医疗设施 Medical facilities	First-aid equipment at AD(3 ambulances on duty), comprehensive hospital adjacent to AD
5	银行和邮局 Bank and Post Office	Bank At AD and Post OfficeNil
6	旅行社 Tourist Office	Nil
7	备注 Remarks	Nil

ZSWZ AD 2.6 援救与消防服务 Rescue and fire fighting services

1	机场消防等级 AD category for fire fighting	CAT 8
2	援救设备 Rescue equipment	Fire fighting facilities: main rapid foam truck, main foam truck, heavy foam truck, dry-chemical tender, chemical supply tender, emergency rescue vehicle, lighting illumination truck,command car, ambulance, air cushion, cutter, hydraulic scissor, mobile surface operation devices, hanger, towbar Rescue equipment: ambulance, material supply vehicle, command car, first-aid case, ambulance stretchers, telephone recording, portable respirator, electrocardiograph, medical suction equipment, interphone
3	搬移受损航空器的能力 Capability for removal of disabled aircraft	MTWA up to B747-400, A340-600 Removal equipment: Mobile surface, rescue hangers(for A319/320/321/A330, B737-700/800/900, EMB190), towing rods(for A319/320/321/330/300, B737NG/CL, B747/757/767/777, CRJ200, EMB145/190,ARJ21), aircraft lifting equipment, towing ropes, secure ropes, twining ropes truck, crosstie, steel.
4	备注 Remarks	Active road surface, trailer, uplift air cushion can be callable. Rapid rescue service from city and Hangzhou/xiaoshan airport.

ZSWZ AD 2.7 可用季节- 扫雪 Seasonal availability-clearing

1	可用季节及扫雪设备类型 Seasonal availability/Types of clearing equipment	All seasons Besom, shovel,snow fluid truck
2	扫雪顺序 Clearance priorities	Nil
3	备注 Remarks	Nil

ZSWZ AD 2.8 停机坪、滑行道及校正位置数据 Aprons, taxiways and check locations data

1	停机坪道面和强度 Apron surface and strength	道面 Surface	ASPH : Stands Nr. Y3, Y4 CONC : APRON Nr. T1(Stands Nr. 1-25), APRON Nr. T1(Stands Nr. 26-33), APRON Nr. T2, Stands Y5, G1, Stands Nr. Y1, Y2
		强度 Strength	PCR 1130/R/B/W/T : Stands Nr. Y1, Y2 PCR 1010/R/B/W/T : Stands Nr. Y3, Y4 PCR 820/R/A/W/T : APRON Nr. T2, Stands Y5, G1 PCR 770/R/B/W/T : APRON Nr. T1(Stands Nr. 26-33) PCR 720/R/B/W/T : APRON Nr. T1(Stands Nr. 1-25)
2	滑行道宽度、道面和强度 Taxiway width, surface and strength	宽度 Width	60m : A4(connect with TWY B & parking apron), C2-C5 39m : A4(connect with RWY & TWY B), A5-A7(The interception angle with RCL is 90) 31m : A2, A8 28.5m : A5-A7(The interception angle with RCL is 28) 23m : B, C6, C8 21m : C7
		道面 Surface	ASPH : A4(connect with RWY & TWY B), A5-A8, B(N of A4), C5, C6(S of center line, 22-80m W of TWY B center line), C8 CONC : A2, A4(connect with TWY B & parking apron), B(S of A4), C2-C4, C6(N of center line), C7
		强度 Strength	PCR 1990/F/C/X/T : A6 PCR 1960/F/C/X/T : A7 PCR 1850/F/B/X/T : A4(connect with RWY & TWY B), A8 PCR 1850/F/C/X/T : C5 PCR 1810/F/B/X/T : A5 PCR 1490/F/B/X/T : C8 PCR 1370/R/B/W/T : C2 PCR 1310/R/B/W/T : C4 PCR 1280/R/B/W/T : C3 PCR 1170/R/B/W/T : A2 PCR 1130/R/B/W/T : B(S of A4) PCR 1010/R/B/W/T : B(N of A4) PCR 820/R/A/W/T : A4(connect with TWY B & parking apron) PCR 820/R/B/W/T : C6(S of center line, 22-80m W of TWY B center line) PCR 750/R/B/W/T : C7 PCR 700/R/B/W/T : C6(N of center line)
3	高度表校正点的位置及其标高 ACL location and elevation	Nil	
4	VOR 校正点	Nil	

	VOR checkpoints	
5	INS 校正点 INS checkpoints	Nil
6	备注 Remarks	A2: TWY shoulder: 10.5m(A2, A4-A8, B, C2-C5, C8); 8.5m(C7); 7.5m(C6) C7: TWY C7 U/S.

ZSWZ AD 2.9 地面活动引导和管制系统与标识
Surface movement guidance and control system and markings

1	航空器机位号码标记牌、滑行道引导线、航空器目视停靠引导系统的使用 Use of aircraft stand ID signs, TWY guide lines and visual docking / parking guidance system of aircraft stands	Taxiing guidance signs at all intersections of TWY and RWY. Aircraft stand identification sign boards at all stands. Guide lines at all aprons. Visual docking guidance system at aircraft stands Nr. 204-224, Marshalling assistance for other aircraft stands.	
2	跑道和滑行道标志及灯光 RWY and TWY marking and LGT	跑道标志 RWY markings	THR, RWY designation, edge line, RWY center line, TDZ, aiming point
		跑道灯光 RWY lights	RTHL, WBAR, REDL, RCLL, RENL
		滑行道标志 TWY markings	Edge line, center line, TWY shoulder marking, No-entry, TWY_INT, RWY holding position, intermediate holding position
		滑行道灯光 TWY lights	Edge line lights, center line lights, No-entry bar(A5-A7) , RETILs, intermediate holding position lights
3	停止排灯和跑道警戒灯 Stop bars and runway guard lights	Runway guard lights: A2, A4-A8	
4	其它跑道保护措施 Other runway protection measures	Nil	
5	备注 Remarks	BLUE apron edge line lights apron lighting, sign board for RWY intersection; not applicable areas markers and lights.	

ZSWZ AD 2.10 机场障碍物 Aerodrome obstacles

半径 15 千米内主要障碍物 (相对机场 ARP)
Obstacles within a circle with a radius of 15km (centered on the ARP)

障碍物名称或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或(高) Elevation /(Height) (m)	障碍物标志,灯光类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
1	2	3	4	5	6
Pole 001	Pole	032/2600	17.7	LGT	
TRANSMISSION_LINE 002	TRANSMISSION_LINE	037/13432	185.2	LGT	RWY03 take-off path
Antenna 003	Antenna	038/1292	20.1	LGT	RWY21 ILS/DME final approach
TRANSMISSION_LINE 004	TRANSMISSION_LINE	038/13773	216.2	LGT	RWY03 departure, missed approach, RWY21 GP INOP, VOR/DME final approach
MT 005	MT	038/13799	200		RWY03 take-off path
TRANSMISSION_LINE 006	TRANSMISSION_LINE	038/13914	204	LGT	
Antenna 007	Antenna	207/1291	20.1	LGT	RWY03 ILS/DME final approach
MT 008	MT	236/10823	405		RWY03 GP INOP, VOR/DME final approach
MT 009	MT	236/10902	405		
TOWER 010	TOWER	252/11426	592.1		RWY03 initial approach
MT 011	MT	266/7228	430		
Antenna 012	Antenna	266/10197	711.1	LGT	
MT 013	MT	267/11174	707		RWY21 holding, arrival, missed approach

半径 15 千米内主要障碍物（相对机场 ARP）
Obstacles within a circle with a radius of 15km (centered on the ARP)

障碍物名称或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或(高) Elevation /(Height) (m)	障碍物标志，灯光类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
TOWER 014	TOWER	271/7900	458		RWY03 arrival
Antenna 015	Antenna	273/5839	263.5		
Antenna 016	Antenna	281/7747	393.6		
MT 017	MT	285/7341	316		
Control TWR 018	Control TWR	298/704	67	LGT	
MT 019	MT	306/9846	218		
WATER_TOWER 020	WATER_TOWER	316/929	39.7	LGT	RWY03/21 GP INOP, VOR/DME final approach
TOWER 021	TOWER	317/10023	217	LGT	
TOWER 022	TOWER	318/9965	188	LGT	
TOWER 023	TOWER	324/10587	183.6	LGT	
TOWER 024	TOWER	324/10710	191.0	LGT	
Antenna 025	Antenna	326/5061	307.6	LGT	
TOWER 026	TOWER	327/795	32.1	LGT	
Antenna 027	Antenna	327/6117	291.0		
TOWER 028	TOWER	329/10893	184	LGT	
TOWER 029	TOWER	329/11043	191	LGT	

半径 15 千米内主要障碍物 (相对机场 ARP)
Obstacles within a circle with a radius of 15km (centered on the ARP)

障碍物名称或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或(高) Elevation /(Height) (m)	障碍物标志，灯光类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
TOWER 030	TOWER	336/11159	184.2	LGT	
TOWER 031	TOWER	336/11387	187	LGT	
Antenna 032	Antenna	342/11481	327.9	LGT	
STACK 033	STACK	354/9717	214.7	LGT	
STACK 034	STACK	355/9781	244.8	LGT	
STACK 035	STACK	356/9840	245.1	LGT	

半径 15 千米-50 千米内主要障碍物 (相对机场 ARP)
Obstacles between two circles with the radius of 15km and 50km (centered on the ARP)

障碍物名称或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或(高) Elevation /(Height) (m)	障碍物标志、灯光类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
MT 036	MT	004/28216	786		RWY21 initial approach, RNP arrival
MT 037	MT	010/44471	997		
MT 038	MT	014/30462	765		
MT 039	MT	017/25654	754		RWY21 initial approach
MT 040	MT	020/19947	451		RWY21 ILS/DME, VOR/DME intermediate approach
MT 041	MT	022/29675	630		RWY21 initial approach

半径 15 千米-50 千米内主要障碍物 (相对机场 ARP)
Obstacles between two circles with the radius of 15km and 50km (centered on the ARP)

障碍物名称或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或(高) Elevation /(Height) (m)	障碍物标志、灯光类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
MT 042	MT	023/42937	716		
MT 043	MT	028/16410	235		
MT 044	MT	058/42747	357		
MT 045	MT	080/26278	391		Sector, RWY03/21 holding, RWY21 arrival
MT 046	MT	109/19133	331		RWY03/21 holding, arrival
MT 047	MT	162/30242	203		RWY03/21 arrival
MT 048	MT	221/37041	657		RWY03/21 arrival
TOWER 049	TOWER	228/27032	167		RWY03 initial, intermediate approach
MT 050	MT	243/40486	630		RWY03 arrival
MT 051	MT	249/47332	748		Sector, RWY03/21 arrival, RWY21 holding
MT 052	MT	260/23905	537		RWY03 arrival
MT 053	MT	265/49962	1026		RWY03 holding, RWY03/21 arrival
BLDG 054	BLDG	275/34546	935		RWY21 arrival
MT 055	MT	280/23481	694		RWY03 arrival
MT 056	MT	290/41567	750		
BLDG 057	BLDG	302/18844	168	LGT	

半径 15 千米-50 千米内主要障碍物 (相对机场 ARP) Obstacles between two circles with the radius of 15km and 50km (centered on the ARP)					
障碍物名称或编号 Obstacle ID/ Designation	障碍物类型 Obstacle type	障碍物位置 磁方位(°)/距离(m) Obstacle position MAG BRG(degree)/DIST(m)	标高或(高) Elevation /(Height) (m)	障碍物标志、灯光类型及颜色 Obstacle marking /Lighting Type & Colour	影响的飞行程序及起飞航径区/备注 Flight procedure/take-off path area affected & Remarks
BLDG 058	BLDG	305/21875	339	LGT	
BLDG 059	BLDG	308/21802	156	LGT	
BLDG 060	BLDG	311/21073	165	LGT	
BLDG 061	BLDG	311/21220	154	LGT	
MT 062	MT	317/30552	600		
MT 063	MT	330/42616	1027		RWY21 arrival, initial approach
MT 064	MT	343/49758	1054		Sector, RWY03/21 arrival
MT 065	MT	348/25768	810		RWY03 holding, arrival, RWY21 initial approach
MT 066	MT	359/17778	502		RWY03 departure
Remarks:					

ZSWZ AD 2.11 提供的气象情报、气象观测和报告
Meteorological information provided & meteorological observations and reports

提供的气象情报 Meteorological information provided		
1	相关气象台的名称 Associated MET Office	Wenzhou airport MET Office
2	气象服务时间、服务时间以外的责任气象台 Hours of service/MET Office outside hours	H24 --
3	负责编发 TAF 的气象台、有效时段、发布间隔 Office responsible for TAF preparation/Periods of validity/Interval of issuance	Wenzhou airport MET Office;9h(important guarantee), 24h;3h(important guarantee), 6h
4	趋势预报及发布间隔	trend 1h

	Trend forecast/Interval of issuance	
5	所提供的讲解或咨询服务 Briefing/Consultation provided	Briefing provided: P, T
6	飞行文件及其使用语言 Flight documentation/Language(s) used	Cart, International MET Codes, Abbreviated Plain Language Text;Ch,En
7	讲解或咨询服务时可利用的图表和其它信息 Charts and other information available for briefing or consultation	Briefing provided: Synoptic charts, live and forecast weather report, radar charts, satellite cloud image, weather forecast data, significant weather charts, upper W/T charts, AWOS real-time data
8	提供气象情报的辅助设备 Supplementary equipment available for providing information	MET data base, FAX, TEL
9	提供气象情报的空中交通服务单位 ATS units provided with information	APP, TWR
10	其他信息 Additional information	Nil
气象观测和报告 Meteorological observations and reports		
1	机场观测类型与频率、自动观测设备 Type & frequency of observation /Automatic observation equipment	Hourly plus special observation/Yes
2	气象报告类型及所包含的补充资料 Type of MET Report/Supplementary information included	METAR, SPECI
3	观测系统及安装位置 Observation system/Site(s)	RVR EQPT A: 100m E of RCL, 315m inward THR03; B: 100m E of RCL, 1590m inward THR03; C: 100m E of RCL, 345m inward THR21. SFC wind sensors 03: 110m E of RCL, 325m inward THR03; RWY center: 110m E of RCL, 1600m inward THR03; 21: 110m E of RCL, 325m inward THR21. Ceilometer 03: 5m W of RCL, 914m outward THR03; 21: 10m E of RCL, 980m outward THR21.
4	观测系统的工作时间 Hours of operation for meteorological observation system	H24
5	气候资料 Climatological information	Climatological tables AVBL
6	其他信息 Additional information	Nil

ZSWZ AD 2.12 跑道物理特征 Runway physical characteristics

跑道号码 RWY Designator	真方位和磁方位 TRUE & MAG BRG	跑道长宽 Dimensions of RWY(m)	跑道强度、跑道和停止道道面 RWY strength/ Surface of RWY /SWY	跑道入口坐标、跑道末端坐标、跑道入口大地水准面波幅 THR coordinates & RWY end coordinates & THR geoid undulation	跑道入口标高和精密进近跑道接地带最高标高 THR elevation & highest elevation of TDZ of precision APP RWY	跑道和停止道坡度 Slope of RWY/SWY
1	2	3	4	5	6	7
03	028.22° GEO 032° MAG	3200×45	PCR 1050/R/B/W/T CONC/-	Nil	THR 5.1m TDZ 5.1m	0%
21	208.22° GEO 212° MAG	3200×45	PCR 1050/R/B/W/T CONC/-	Nil	THR 5.1m TDZ 5.1m	0%
跑道号码 RWY Designator	停止道长宽 SWY dimensions (m)	净空道长宽 CWY dimensions (m)	升降带长宽 Strip dimensions (m)	跑道端安全区长宽 RESA dimensions (m)	拦阻系统的位置及描述 Location& Description of arresting system	无障碍物区 OFZ
1	8	9	10	11	12	13
03	Nil	Nil	3320×280	240×140	Nil	Yes
21	Nil	Nil	3320×280	240×140	Nil	Yes
Remarks: RWY shoulder 7.5m; 60×60m blast pad (CONC) on the both ends of RWY.						

ZSWZ AD 2.13 公布距离 Declared distances

跑道号码 RWY Designator	可用起飞滑跑距离 TORA(m)	可用起飞距离 TODA(m)	可用加速停止距离 ASDA(m)	可用着陆距离 LDA(m)	备注 Remarks
1	2	3	4	5	6
03	3200	3200	3200	3200	Nil
03	2400	2400	2400	3200	FM A4
21	3200	3200	3200	3200	Nil

ZSWZ AD 2.14 进近和跑道灯光 Approach and runway lighting

跑道号码 RWY Designator	进近灯类型、长度、强度 APCH LGT type/ LEN/ /INTST	入口灯颜色、翼排灯 THR LGT colour/ WBAR	目视进近坡度指示系统类型、位置、仰角、跑道入口最低眼高 Type of VASIS/Position /Angle/MEHT	接地带灯长度 TDZ LGT LEN	跑道中线灯长度、间隔、颜色、强度 RWY center line LGT LEN/Spacing /Colour/INTST	跑道边灯长度、间隔、颜色、强度 RWY edge LGT LEN/Spacing /Colour/INTST	跑道末端灯颜色 RWY end LGT colour	停止道灯长度、颜色 SWY LGT LEN /Colour
1	2	3	4	5	6	7	8	9
03	PALS CAT I SFL 900 m LIH	GREEN Yes	PAPI LEFT 419m inward THR03 3° 20.1m	Nil	3200 m spacing 15m 0-2300m, WHITE 2300-2900m, RED/WHITE 2900-3200m, RED VRB LIH	3200 m spacing 60m 0-2600m, WHITE 2600-3200m, YELLOW VRB LIH	RED	Nil
21	PALS CAT I SFL 900 m LIH	GREEN Yes	PAPI LEFT 419m inward THR21 3° 20.3m	Nil	3200 m spacing 15m 0-2300m, WHITE 2300-2900m, RED/WHITE 2900-3200m, RED VRB LIH	3200 m spacing 60m 0-2600m, WHITE 2600-3200m, YELLOW VRB LIH	RED	Nil
Remarks:								

ZSWZ AD 2.15 其它灯光,备份电源 Other lighting, secondary power supply

1	机场灯标或识别灯标位置、特性和工作时间 ABN/IBN location, characteristics and hours of operation	Nil
2	着陆方向标和风向标位置和灯光 LDI/ WDI location and LGT	WDI: 03:83m W of RCL, 418m inward THR03, LGT; 21:81m W of RCL, 418m inward THR21, LGT.
3	滑行道边灯和滑行道中线灯 TWY edge and center line lighting	All TWYs: green center line lights, blue edge line lights
4	备份电源及转换时间 Secondary power supply/Switch-over time	Dual feed, diesel engine driven generator/<15s
5	备注 Remarks	Nil

ZSWZ AD 2.16 直升机着陆区域 Helicopter landing area

1	TLOF 坐标或 FATO 入口坐标及大地水准面波幅 Coordinates TLOF or THR of FATO, Geoid undulation	Nil
2	TLOF 和（或）FATO 标高 TLOF and/or FATO elevation	Nil
3	TLOF 和 FATO 区域范围、道面、强度和标志 TLOF and FATO area dimensions,surface, strength, marking	Nil
4	FATO 的真方位和磁方位 True and MAG BRG of FATO	Nil
5	公布距离 Declared distance available	Nil
6	进近灯光和 FATO 灯光 APP and FATO lighting	Nil
7	备注 Remarks	Nil

ZSWZ AD 2.17 空中交通服务空域 ATS airspace

空域名称和水平范围 Designation and lateral limits		垂直范围 Vertical limits	空域分类 Airspace class	空中交通服务单位呼号和使用语言 ATS unit callsign Language	工作时间 Hours of applicability	备注 Remarks
1	2	3	4	5	6	7
Wenzhou Tower	A circuit, 2 arcs with radius 13km centered at centers of both THRs and 2 parallel lines of 13km form RCL.	GND/SFC-600m(QNH)				
Fuel Dumping Area	N2740E12045-N2740E12100-N2730E12100-N2730E12045-N2740E12045	Above 3000m				
Altimeter setting region and TL/TA	A circle with a radius of 25NM centered on Wenzhou VOR/DME(WNZ).	TL 3600m TA 3000m 3300m(QNH≥1031hPa) 2700m(QNH≤979hPa)				

ZSWZ AD 2.18 空中交通服务通信设施 ATS communication facilities

服务名称 Service designation	呼号 Callsign	频率 Frequency (MHz)	卫星话音通信号码 SATVOICE number	登录地址 Logon address	工作时间 Hours of operation	备注 Remarks
1	2	3	4	5	6	7
ATIS		127.05			H24	D-ATIS available
APP	Wenzhou Approach	APP01:119.625 (132.15)			H24	
		APP02:120.25 (132.15)			by ATC	Contact APP01 when APP02 U/S.
		APP03:127.975 (132.15)			by ATC	Contact APP01 when APP03 U/S.
TWR	Wenzhou Tower	118.875 (118.2)			H24	DCL available
GND	Wenzhou Ground	121.85			0030-1300	Contact TWR when GND U/S.
EMG		121.5			H24	

ZSWZ AD 2.19 无线电导航和着陆设施 Radio navigation and landing aids

设施名称及类型、磁差、支持运行类别、VOR/ILS 磁偏角 Name and type of aid, VAR,Type of supported OPS, Declination of VOR/ILS	识别 ID	频率、波道 Frequency/ Channel number	工作时间 Hours of operation	发射天线坐标及相对位置 Coordinates of transmitting antenna/ Position	DME 发射天线标高 Elevation of DME transmitting antenna	备注 Remarks
1	2	3	4	5	6	7
Dongshan VOR/DME	DST	109.2 MHz CH 29X	H24	N27°45.0′ E120°37.8′	39 m	VOR/DME: R021°-R041° clockwise for IAP and beyond 22NM on R036° for STAR/SID U/S; For VOR: Beyond 22NM on R032° for IAP U/S; For DME: Beyond 17NM on R032° for IAP and beyond 37NM on R294° for STAR/SID U/S.
Wenzhou VOR/DME	WNZ	116.4 MHz CH 111X		N27°55.8′ E120°51.8′ On extended RCL, 1000m outward THR21	16 m	
LOC 03 ILS CAT I	IKN	110.3 MHz		032°MAG/310m FM RWY03 end		Beyond +19° and 19NM of front course U/S.
GP 03		335.0 MHz		120m E of RCL, 314m inward THR03		Angle 3° , RDH 15 m
DME 03	IKN	CH 40X (110.3 MHz)		123m E of RCL, 314m inside THR03	12m	Co-located with GP 03
LOC 21 ILS CAT I	IWZ	108.7 MHz		212°MAG/310m FM RWY21 end		Beyond -10° and 20NM of front course U/S.
GP 21		330.5 MHz		120m E of RCL, 314m inward THR21		Angle 3° , RDH 15 m

设施名称及类型、磁差、支持运行类别、VOR/ILS 磁偏角 Name and type of aid, VAR,Type of supported OPS, Declination of VOR/ILS	识别 ID	频率、波道 Frequency/ Channel number	工作时间 Hours of operation	发射天线坐标及相对位置 Coordinates of transmitting antenna/ Position	DME 发射天线标高 Elevation of DME transmitting antenna	备注 Remarks
DME 21	IWZ	CH 24X (108.7 MHz)			12m	Co-located with GP 21

ZSWZ AD 2.20 本场规定

ZSWZ AD 2.20 Local aerodrome regulations

1. 机场使用规定

1.1 所有技术试飞需事先申请，并在得到空中交通管制部门批准后方可进行。

1.2 可使用机型：B747-400、A340-600 同类及其以下机型。

2. 跑道和滑行道的使用

2.1 跑道，滑行道使用限制

1.Airport operations regulations

1.1 Each and every technical test flight shall be filed in advance and conducted only after clearance has been obtained from ATC.

1.2 Maximum aircraft to be available: B747-400, A340-600 and equivalent.

2. Use of runways and taxiways

2.1 RWY, TWYs limits:

跑道，滑行道 RWY, TWYs	航空器翼展限制 Wing span limits for aircraft	主起落架外轮外侧间距 Outer main gear wheel span
RWY, TWYs(except TWY C6, C8)	＜65m	＜14m
TWY C6, C8	＜52m	

2.2 跑道等待位置

2.2.1 航空器在进入跑道前必须在指定的跑道等待位置处等待管制员的指令。

2.2.2 航空器未获得管制员许可，机头越过跑道等待位置时，应立即向管制员报告。

2.2 RWY holding position

2.2.1 Aircraft shall stop and wait for the instruction of TWR at the relative RWY holding positions.

2.2.2 Aircraft shall report to TWR when the nose of aircraft exceeds holding position without instruction.

2.3 塔台根据跑道实际运行情况,将安排航空器在 A4 滑行道与跑道交叉口使用非全跑道起飞，如航空器驾驶员不能接受非全跑道起飞，请立即告知管制员。	2.3 ATC would(shall) arrange non full-length taking-off procedures for aircraft at the intersection of A4 and RWY in accordance with the RWY actual operation situation. If aircraft can not accept non full-length taking-off procedures, inform ATC immediately.
2.4 跑道运行规则	2.4 General rules for using RWYs
2.4.1 起飞航空器从接到管制员进跑道指令到对正跑道时间应控制在 60s 以内。如机组认为无法在上述要求的时间内完成，须在到达跑道外等待点之前向塔台管制员说明(湿跑道或污染跑道除外)。	2.4.1 Departure aircraft shall finish RWY alignment within 60s from holding position. If flight crew can not fulfill, pilot shall inform TWR controller before reaching RWY holding position(except for wet or contaminated RWY).
2.4.2 落地航空器应尽快退出跑道，从接地到滑出跑道时间应控制在 50s 以内。如机组认为无法在上述要求的时间内完成，须在建立航向道前通知进近管制员。	2.4.2 Landing aircraft shall fully vacate RWY within 50s after touchdown. If flight crew can not fulfill, pilot shall inform APP controller before localizer is established.
2.4.3 落地航空器应尽快脱离跑道，脱离跑道后应及时向塔台管制员报告已脱离跑道和脱离所使用的滑行道。	2.4.3 Landing aircraft shall vacate RWY as soon as possible. Pilot should report to TWRcontrollerthe chosen vacating TWY and 'runway vacated' after vacated.
2.4.4 在转换跑道方向过程中，短时使用跑道顺风分量超过 3.5m/s，但不大于 5m/s 时，管制员将该信息通知相关航空器的驾驶员。航空器驾驶员应该根据机型性能或者运行手册，决定是否使用管制员安排的顺风跑道起飞或者着陆，并将决定告知管制员。	2.4.4 During changing the direction of RWY in use, if downwind speed exceeds 3.5m/s and below 5m/s, ATC may instruct aircraft downwind take-off or downwind landing for a short time. Pilot shall inform controller if decide not to take-off or landing on downwind RWY allocated according to aircraft performance or operation handbook.
2.4.5 航空器起飞离地后自动与塔台管制席位脱波（不需通话脱波），塔台将在 ATC 放行许可中明确脱	2.4.5 Pilot shall leave TWR frequency without radiotelephony instruction from controller as soon as

波后应该联系的进近频率。

airborne and contact APP immediately on the frequency assigned by ATC clearance.

2.5 航空器途经以下区域，需注意如下事项：

2.5 Please be caution when passing areas below:

2.5.1 使用 03 跑道落地的航空器从 A6 快滑脱离跑道应特别注意 C7 滑行道关闭，航空器脱离跑道后应在 B 滑行道前等待进一步的滑行指令。

2.5.1 Landing aircraft using RWY03 and TWY A6 should notice that C7 is closed, waiting on B after vacated until receiving further taxi instruction.

2.5.2 A4 滑行道贯穿机坪、B 滑和跑道，滑行时应当注意观察道口和标识牌，避免连续滑行误入跑道，造成跑道入侵。

2.5.2 TWY A4 links across the apron, TWY B and RWY. Taxi with caution about the intersection and marking in order to prevent RWY incursion from happening.

2.6 对机组的要求：

2.6 Requirement for the crews:

2.6.1 听清并重复管制员的滑行指令，尤其界限性指令，发现疑问及时向管制员证实。

2.6.1 Listen carefully and readback the ATC's taxi instruction, especially the limitation instruction. Confirm to ATC without delay if you have any doubt.

2.6.2 当机组误操作滑错方向或者路线时，应立即停止滑行并向管制员报告。

2.6.2 When taking wrong direction or route due to misoperation occurs, stop taxi immediately and report to ATC.

2.6.3 当航空器在起飞或者着陆后，航空器驾驶员发现本航空器部件可能损坏，怀疑影响跑道运行时，应立即通知管制员。

2.6.3 Inform ATC immediately if any debris from aircraft may affect the safety operation for RWY concerned by pilot during taking-off or landing.

3. 机坪和机位的使用

3. Use of aprons and parking stands

3.1 滑行线使用限制

3.1 Taxiing lanes limits:

滑行线 Taxi lane	航空器翼展限制 Wing span limits for aircraft	主起落架外轮外侧间距 Outer main gear wheel span
C3(W of C), C4(W of C), L1, L3-L5	＜36m	＜9m
A4, C(S of C5), C2, C3(E of C),	＜65m	＜14m

C4(E of C), C5, L2(S of C6)		
C6, C8, L2(N of C6)	＜52m	
C(N of C7)	<36m	

3.2 Y1-Y5 机位使用

3.2 Limits for stands Nr.Y1-Y5

3.2.1 Y1-Y5 为用于备降的临时机位。航空器使用 03 跑道时，优先使用停机位顺序为 Y5、Y3、Y4；航空器使用 21 跑道时，优先使用停机位顺序为 Y5、Y2、Y1。

3.2.1 Stands Nr.Y1-Y5 are temporary stands for alternate. When RWY03 in use, priority will be given to stands Nr. Y5, Y3, Y4; When RWY21 in use, priority will be given to stands Nr. Y5, Y2, Y1.

3.2.2 Y1-Y5 滑行路线

3.2.2 Stands Nr.Y1-Y5 taxiing route

停机位 Stands	滑入滑行道 Enter stand by	停放方向 Parking direction
Nr. Y1, Y2	TWY A2	Nose to N
Nr. Y3, Y4	TWY A8	Nose to S
Nr. Y5	TWY C2	Nose to N
Remarks: 1. Embark/disembark passengers and maintenance service is forbidden on stands Nr.Y1-Y5. 2. Occupying emergency passageway is forbidden when stand Nr.Y1-Y5 is in use. 3. Aircraft park on stand Nr.Y5 shall follow the instructions of the maintenance personnel, the nose of aircraft shall not exceed the intermediate holding position on TWY C(S of TWY A4).		

3.3 停机位限制

3.3 Limits for aircraft parking on the following stands:

停机位编号/Stands Nr.	翼展限制（m）/Wing span limits(m)	机身长度限制（m）/Fuselage limits(m)	进出方式/Enter or Exit
207A, 208A, 210, 222, 230, 231	≤65	≤76	Taxi in, Push back

G1, Y1-Y5	≤65	≤76	Taxi in, Taxi out
228, 229	≤52	≤62	Taxi in, Push back
207, 208, 219, 221, 223	≤48	≤55.5	Taxi in, Push back
2-9	≤47.57	≤54.94	Taxi in, Push back
10	≤47.57	≤48.51	Taxi in, Push back
26-33	＜36	＜40	Taxi in, Push back
11, 12	≤36	≤46.5	Taxi in, Push back
201-206, 209, 211-218, 220, 224-227	≤36	≤45	Taxi in, Push back
14-22, 24, 25	≤36	≤44	Taxi in, Taxi out
1	≤36	≤44.5	Taxi in, Push back
13, 23	≤23.25	≤36.24	Taxi in, Taxi out

3.4 进入停机坪的航空器均由地面引导车引导，出港航空器引导车服务可以向塔台申请。

3.4 Arrival aircraft shall be guided by follow-me vehicle into apron; departure aircraft shall apply for follow-me vehicle from ATC.

航空器取得塔台许可后方可推出开车，并在 5min 之内执行，否则机组需重新申请。

Aircraft shall contact TWR for push-back and start-up clearance and conduct within 5min, otherwise, apply for the clearance again.

3.5 航空器试车（慢车或大车）规定

3.5 Rules of engine run-ups (idle or fast)

3.5.1 试车的航空器向机场运行管理部指挥中心提出申请，由机场运行管理部指挥中心给出试车机位（区域）。

3.5.1 Engine run-ups are subject to AOC CLR，and a designated stand (location) shall be assigned by AOC.

3.5.2 试车的航空器收到试车机位（区域）信息后，向塔台申请试车时间和移动路线，获得塔台同意后方可在原地或牵引（滑行）至指定机位（区域）进行试车，航空器试车前须确保有足够的安全措施。

3.5.2 Upon receiving information of the designated stand (location), engine run-ups shall request testing time and taxi routes from TWR. Engine run-ups shall be conducted after obtaining TWR approval, either in place or towed (taxiing) to the designated stand (location). Sufficient safety measures must be ensured before engine run-ups.

3.5.3 严禁在非指定机位（区域）试车。

3.5.3 Engine run-ups on undesignated stand (location) is strictly forbidden.

3.6 相邻停机位禁止两架航空器同时运行。

3.6 On adjacent parking stands, two aircrafts are forbidden to move simutaneonsly.

进离场航空器在机坪运行发生冲突时，原则上，离场航空器的滑行具有优先权。

When there is a conflict between departure aircraft and arrival aircraft at the apron, the taxiing of the departure aircraft has priority in principle.

3.7 本机场放行时不再要求机组话音复诵已经通过数据链成功发布的放行许可。

3.7 No readback required when the delivery clearance has been received through DCL.

3.8 停机位 14、24、G1 为隔离机位。

3.8 Isolated stands: Nr. 14, 24, G1.

3.9 为降低碳排放及噪音，所有停靠廊桥机位的航空器必须关闭 APU，使用 400Hz 桥载电源及航空器专用空调设备。以下特殊情况除外：

3.9 All aircrafts parking on boarding bridge stands shall turn off APU and use bridge equipment (400Hz) and special air conditioning. Except for the following circumstances：

3.9.1 航空器因启动发动机而需开启 APU；

3.9.1 Aircraft needs APU to start up engine；

3.9.2 桥载设备发生故障，不能提供服务；

3.9.2 Bridge equipment is unavailable；

3.9.3 航空器进行 APU 的维修检测活动；

3.9.3 APU is under maintenance；

3.9.4 遇到影响航班安全、正常运行的特殊情形，例如极端天气、专机保障、航班过站时间不足等有关情况。

3.9.4 In case of exceptional circumstances influencing the operation safety，such as extreme weather，special plane support，insufficient flight transition time.

3.10 温州机场航站楼桥载设备具体参数

3.10 The 400Hz ground power and ground air conditioner see the table below:

停机位 Stands	400Hz 电源功率	400Hz 电源台数	航空器地面空调功	航空器地面空调台

<table>
<tr><td></td><td>(kVA)400Hz power supply(kVA)</td><td>Number of 400Hz power</td><td>率(kVA)Aircraft ground air-conditioner power(kVA)</td><td>数 Number of ground air-conditioners</td></tr>
<tr><td>Nr. 6-8</td><td rowspan="5">90</td><td rowspan="3">1</td><td>174</td><td rowspan="5">1</td></tr>
<tr><td>Nr. 204-206, 209, 211-218, 220, 224</td><td>117</td></tr>
<tr><td>Nr. 207, 208, 219, 221, 223</td><td>161</td></tr>
<tr><td rowspan="2">Nr. 210, 222</td><td rowspan="2">2</td><td>117</td></tr>
<tr><td>161</td></tr>
</table>

3.11 A350 机型地面运行程序

3.11 Ground operating procedures for A350 aircrafts

3.11.1 A350 机型原则上不得在温州机场执行落地后单发滑行的运行程序。

3.11.1 In principle, A350 aircrafts are not allowed to perform single-engine taxiing procedures after landing at Wenzhou Airport.

3.11.2 特殊情况下，A350 机型实施单发运行：在停机位资源允许的情况下，机场将航空器协调至停机位 207A 或 208A 停放；在停机位资源不允许的情况下，航空器单发滑至入位前停止滑行，关车后由机务指挥拖车将其拖至指定停机位。

3.11.2 Exceptional single-engine operation for A350 aircrafts: The airport coordinates aircraft parking on stands Nr.207A or 208A, subject to the availability of parking stands; If stands are not available, the aircraft will stop taxiing before the entry position, shut down and be towed to the designated aircraft position by the aircraft operator's trailer.

4. 低能见度运行

4. Low visibility operation

无

Nil

5. 直升机飞行限制，直升机停靠区

5. Helicopter operation restrictions and helicopter parking/docking area

5.1 直升机在本场起降时需按照目视飞行规则实施，如实施仪表飞行规则须事先获得管制员许可。

5.1 Helicopter departure or landing in WENZHOU/Longwan airport shall operate under VFR.Implement IFR shall get permission from ATC.

5.2 目视气象条件下，管制员目视直升机和相关航空器、直升机目视相关航空器或者直升机与相关航空器之间均能保持目视，可以采用目视间隔。

5.2 Under visual meteorological condition, visual separation is available if ATC can keep visual contact with helicopter and relevant aircraft, helicopter can keep visual contact with relevant aircraft or helicopter and relevant aircraft can keep visual contact with each other.

5.3 离场直升机在B滑与机库(或各道口)交叉口，向北(或向南)起飞，保持目视左转(或右转)。向西离场的直升机飞Y点(龙湾区政府，N275620E1204800)上升到修正海压高度450m，到达Y点后直飞七都岛(N275900E1204700)后沿瓯江飞行；向东离场的直升机飞Z点(N275310E1205427)上升到修正海压高度300m，到达Z点后直飞作业区或航路。

5.3 Departure helicopter take off at intersection of TWY B and hangar(or other TWY), heading N(or S), keep visual contact and turn left(or right). West-outbound helicopter direct to point Y(Longwan Government Building, N275620 E1204800) and climb to 450m(QNH), direct to Qidu Island(N275900 E1204700) after passing Y, then along the Ou River. East-outbound helicopter direct to point Z(N275310 E1205427) and climb to 300m(QNH), direct to operation area or enroute after passing Z.

5.4 西面进场直升机由市区沿瓯江飞七都岛，而后直飞Y点保持目视下降到修正海压高度450m，到达Y点后直飞W点(龙湾博物馆，N275534E1204951)保持目视下降自行掌握，在接到进一步管制指令前在W点以西等待，待管制员发出进一步指令且目视相关航空器无影响后直飞B滑与机库(或各道口)交叉口的落地点。东面进场直升机直飞Z点下降到修正海压高度300m，到达Z点后直飞X点(机场东侧高速公路，N275414E1205250)上空保持目视下降到200m，在接到进一步管制指令前在X点以东等待，待管制员发出

5.4 West-inbound helicopter fly from downtown to Qidu Island along the Ou River, then direct to point Y and descend to 450m(QNH), direct to point W(Longwan Museum, N275534 E1204951)after passing Y, wait at west side of W until further ATC instruction is received. Once further ATC instructionis receivedand relevant aircraft is cleared by visual confirmation, direct toand land atthe intersection of TWY B and hangar(or other TWY). East-inbound helicopter direct to Z and descend to 300m(QNH), direct to point X(the highway on the

进一步指令且目视相关航空器无影响后直飞 B 滑与机库(或各道口)交叉口的落地点。

east side of airport, N275414 E1205250)after passing Z, keep visualand descend to 200m, wait at east side of X until further ATC instruction is received.Oncefurther instruction is received and relevant aircraft is cleared by visual confirmation, direct to and land at the intersection of TWY B and hangar(or other TWY).

5.5 直升机在机场起降时,须主动避让其他正在起飞、降落或滑行的航空器。

5.5 Helicopter departure or landing in WENZHOU/Longwan airport shallavoid other operatingaircraft(departing, landing or taxiing).

5.6 直升机通过其他进离场航空器的航径前应注意尾流。

5.6 Caution with the wake turbulence when crossing other departing or landing aircraft's path.

6. 警告

6. Warning

无

Nil

ZSWZ AD 2.21 减噪程序

ZSWZ AD 2.21 Noise abatement procedures

无

Nil

ZSWZ AD 2.22 飞行程序

ZSWZ AD 2.22 Flight procedures

1. 总则

1. General

1.1 除经温州进近或塔台特殊许可外，在温州进近管制区和塔台管制区内的飞行，必须按照仪表飞行规则进行。

1.1 Flights within Wenzhou APP Control Area and TWR Control Area shall operate under IFR unless special clearance has been obtained from APP or TWR.

1.2 本场 PBN 飞行程序为主用的进场和离场飞行程序，传统程序为备用程序；RNP ILS/DME 飞行程序为主用的进近程序，传统程序为备用程序。

1.2 PBN flight procedures are primary and conventional procedures are secondary procedures. RNP ILS/DME approach procedures are primary, the conventional procedures are secondary procedures.

1.3 本场 PBN 进、离场飞行程序需具备 RNP1 运行资格，凡不符合本场 PBN 飞行程序运行要求的航空器，需在首次联系时告知管制员。

1.3 Aircraft should have the qualifications of operating RNP1 when conducting arrival and departure flight procedures, if unable, pilot shall inform the controller at the first contact.

1.4 温州进近实施雷达管制时，凡具备 RNAV1 运行资格的航空器，在得到管制员许可后可以沿本场 PBN 进、离场飞行程序飞行。

1.4 Under APP radar control, aircraft that have the qualifications of operating RNAV1 could follow arrival/departure PBN flight procedures according to ATC instructions.

1.5 管制部门将通过 ATIS 告知本场正在使用的进近程序。

1.5 ATC will inform the aircraft about the approach procodure in use via ATIS.

2. 起落航线

2. Traffic circuits

起落航线在跑道东侧，通常在使用跑道及其进近灯 5km 范围内，A、B 类航空器高度 300m，C、D 类航空器高度 400m。

Traffic circuits shall be made to the E of RWY, usually within 5km of RWY and its approach lights.

A、B 类航空器高度 300m，C、D 类航空器高度 400m。

At the altitude of 300m for aircraft CAT A/B, and 400m for aircraft CAT C/D.

3. 仪表飞行程序

3. IFR flight procedures

3.1 温州进近管制区范围内有飞行在各类高度上的航空器，航空器飞行时应严格按照管制员的指令上升或下降。

3.1 Ascent/descent of aircraft within APP Control Area shall be conducted in strict compliance with ATC instructions and within designated area.

3.2 未得到管制员的等待指令，航空器无需进入进、离场飞行程序中的等待程序。

3.2 Aircraft would not be necessary to join the holding procedure if it's not designated by ATC.

3.3 根据空中交通情况，管制员可以指挥航空器在指定的航路、导航台或定位点上空等待或做机动飞行。

3.3 Aircraft may, according to air traffic, hold or maneuver on an airway, over a navigation facility or a fix designated by ATC.

3.4 在得到滑行许可时，航空器应向管制员复诵分配的二次应答机编码并开启二次应答机。

3.4 Pilot shall verify and set the designated SSR when cleared for taxiing.

4. 雷达程序和/或 ADS-B 程序

4. Radar procedures and/or ADS-B procedures

温州进近管制区域内实施雷达管制。航空器最小水平间隔为 5.6km。

Radar control within Wenzhou APP has been implemented. The minimum horizontal radar separation is5.6km.

5. 无线电通信失效程序

5. Radio communication failure procedures

5.1 无线电通信失效程序，参见 AIP GEN3.4.5 中的仪表飞行规则航空器地空双向无线电通信失效通用程序。

5.1 Refer to AIP GEN3.4.5 general procedures for aircraft under instrument flight rule with air-ground two-way radio communication failure.

5.2 航空器无法与管制单位建立有效的通信联系时，可通过拨打电话与管制单位建立联系

（温州进近：86-577-86898729；温州塔台：86-577-86892226）。

5.2 If aircraft can not establish communication with the aerodrome control unit, aircraft shall contact with control unit by telephone.

Wenzhou APP: 86-577-86898729; Wenzhou TWR: 86-577-86892226.

6. 目视飞行程序

6. Procedures for VFR flights

6.1 目视飞行可直接进、离本场。

6.1 Use visual may approach to arrival or depart from airport directly.

6.2 目视盘旋只准在跑道东侧进行。

6.2 Circling E of RWY only.

7. 目视飞行航线

7. VFR route

无

Nil

8. 其它规定

8. Other regulations

无

Nil

ZSWZ AD 2.23 其它资料

ZSWZ AD 2.23 Other information

鸟情资料

Bird’s information

机场飞行区内有鸟类活动，机场使用驱鸟设备和人工驱赶。

Aerodrome Authority resorts to dispersal methods with dispersal equipment or manual works to reduce bird activities.

Type of Bird	Time of Activity	Residence Type	Flight Altitude(m)	Characteristic
Sparrow	The whole year	Resident	0-30	In group

Egret			0-100	In group/Solitary
Night Heron			0-100	Solitary
Spotted Dove			0-50	Solitary
Kestrel			10-100	Solitary
Chinese Spot-billed Duck	Sep. to Apr.(next year)	Migrant	0-200	In group
Cattle Egret	Apr. to Oct.		0-200	In group/Solitary
Pintail Snipe	Mar. to May; Sep. to Oct.		0-200	In group
Barn Swallow	Apr. to Oct.		0-30	In group/Solitary
Black-winged Kite	Sep. to Mar.(next year)		0-100	Solitary

Migratory Season	Direction of Activity	Flight Altitude(m)	Characteristic
Spring	From South to North	0-500	small and medium size/Group
Summer	Runway and surrounding soil area	0-100	small and medium size/A few
Autumn	From North to South	0-500	small and medium size/Group
Winter	Runway and surrounding soil area	0-100	small and medium size/A few

INSTRUMENT APPROACH CHART-ICAO

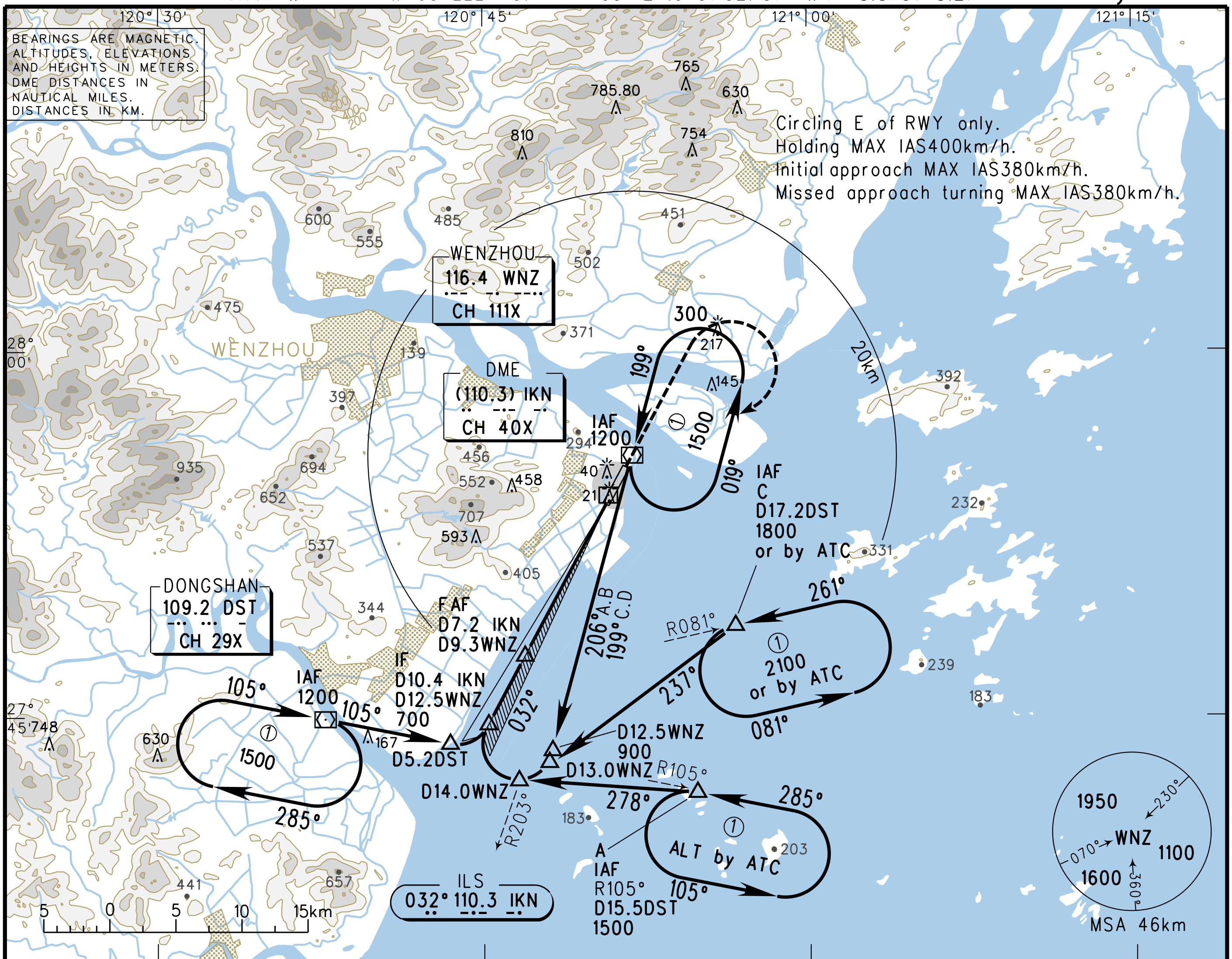
VAR4°W

AERODROME ELEV 5.1
THR RWY03 ELEV 5.1

ATIS 127.05
APP01 119.625(132.15)
APP02 120.25(132.15)
APP03 127.975(132.15)
TWR 118.875(118.2)

ZSWZ WENZHOU/Longwan

ILS/DME y RWY03

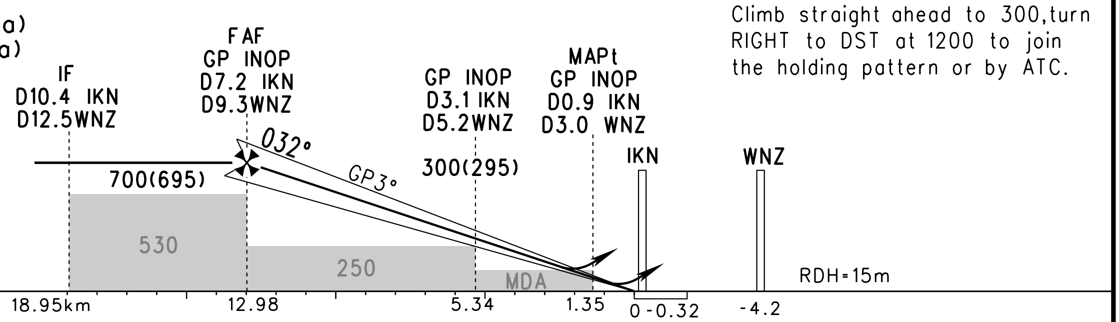


GP INOP	DME (IKN) (NM)	7	6	5	4	3	2	1
	ALT (m)	683	586	489	392	295	197	

TL 3600
TA 3000
3300(QNH≥1031hPa)
2700(QNH≤979hPa)

MISSED APPROACH

Climb straight ahead to 300, turn RIGHT to DST at 1200 to join the holding pattern or by ATC.



	A	B	C	D
ILS/DME MDA(H) RVR/VIS ❶	65(60) 550/800			
GP INOP MDA(H) VIS	120(115) 1400		120(115) 1600	120(115) 1800
CIRCLING MDA(H) VIS	190(185) 3200		210(205) 4000	290(285) 4800

FAF-MAPt(GP INOP) 11.63km						
GS in kt / kmH	80 / 150	100 / 185	120 / 220	140 / 260	160 / 295	180 / 335
Time min:sec	4:43	3:46	3:08	2:41	2:21	2:06
Rate of descent m/s	2.2	2.7	3.2	3.8	4.3	4.9

❶ HUD CAT I: (DH)(45),(RA)(48),RVR450

Changes: Altitude position.

INSTRUMENT APPROACH CHART-ICAO

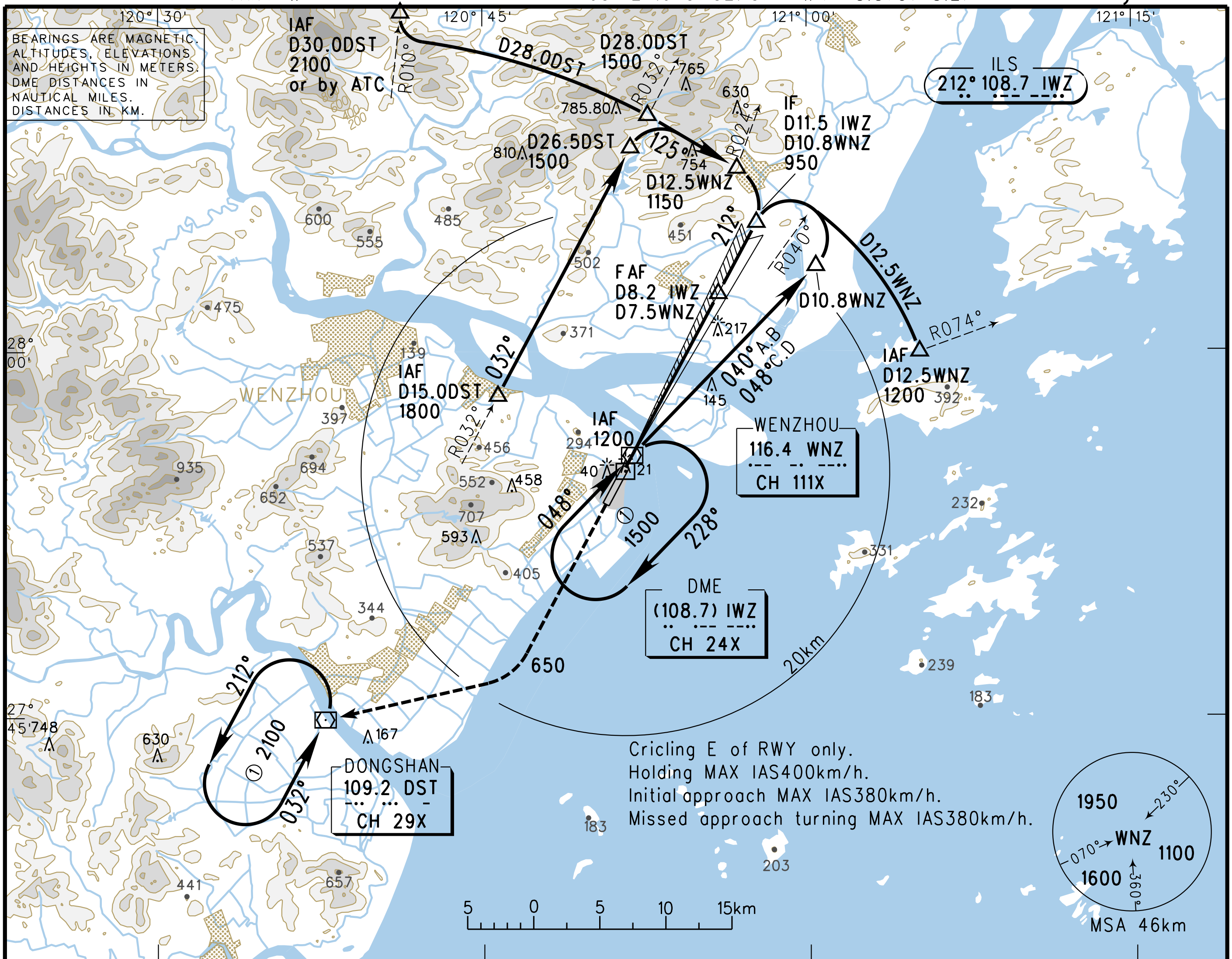
VAR4° W

AERODROME ELEV 5.1
THR RWY21 ELEV 5.1

ATIS 127.05
APP01 119.625(132.15)
APP02 120.25(132.15)
APP03 127.975(132.15)
TWR 118.875(118.2)

ZSWZ WENZHOU/Longwan

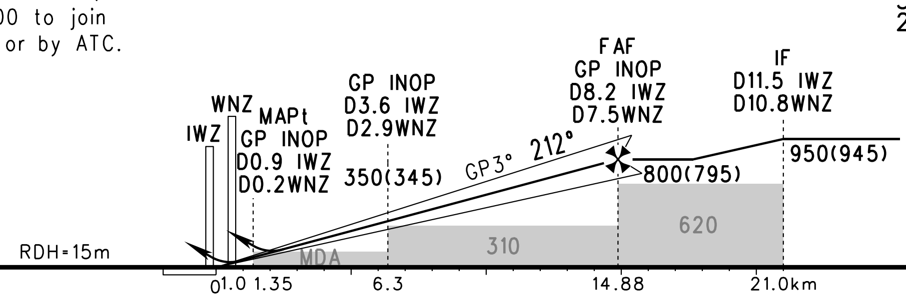
ILS/DME y RWY21



GP INOP	DME (IWZ) (NM)	2	3	4	5	6	7	8
	ALT (m)	197	295	392	489	586	683	780

MISSED APPROACH
Climb straight ahead to 650,turn RIGHT to DST at 900 to join the holding pattern or by ATC.

TL 3600
TA 3000
3300(QNH≥1031hPa)
2700(QNH≤979hPa)



	A	B	C	D
ILS/DME DA(H) RVR/VIS ❶	65(60) 550/800			
GP INOP MDA(H) VIS	120(115) 1400		120(115) 1600	120(115) 1800
CIRCLING MDA(H) VIS	190(185) 3200		210(205) 4000	290(285) 4800

FAF-MAPt(GP INOP) 13.53km

GS in kt / kmH	80 / 150	100 / 185	120 / 220	140 / 260	160 / 295	180 / 335
Time min:sec	5:29	4:23	3:39	3:08	2:44	2:26
Rate of descent m/s	2.2	2.7	3.2	3.8	4.3	4.9

❶ HUD CAT I: (DH)(45),(RA)(47),RVR450

Changes: Nil.

INSTRUMENT APPROACH CHART-ICAO

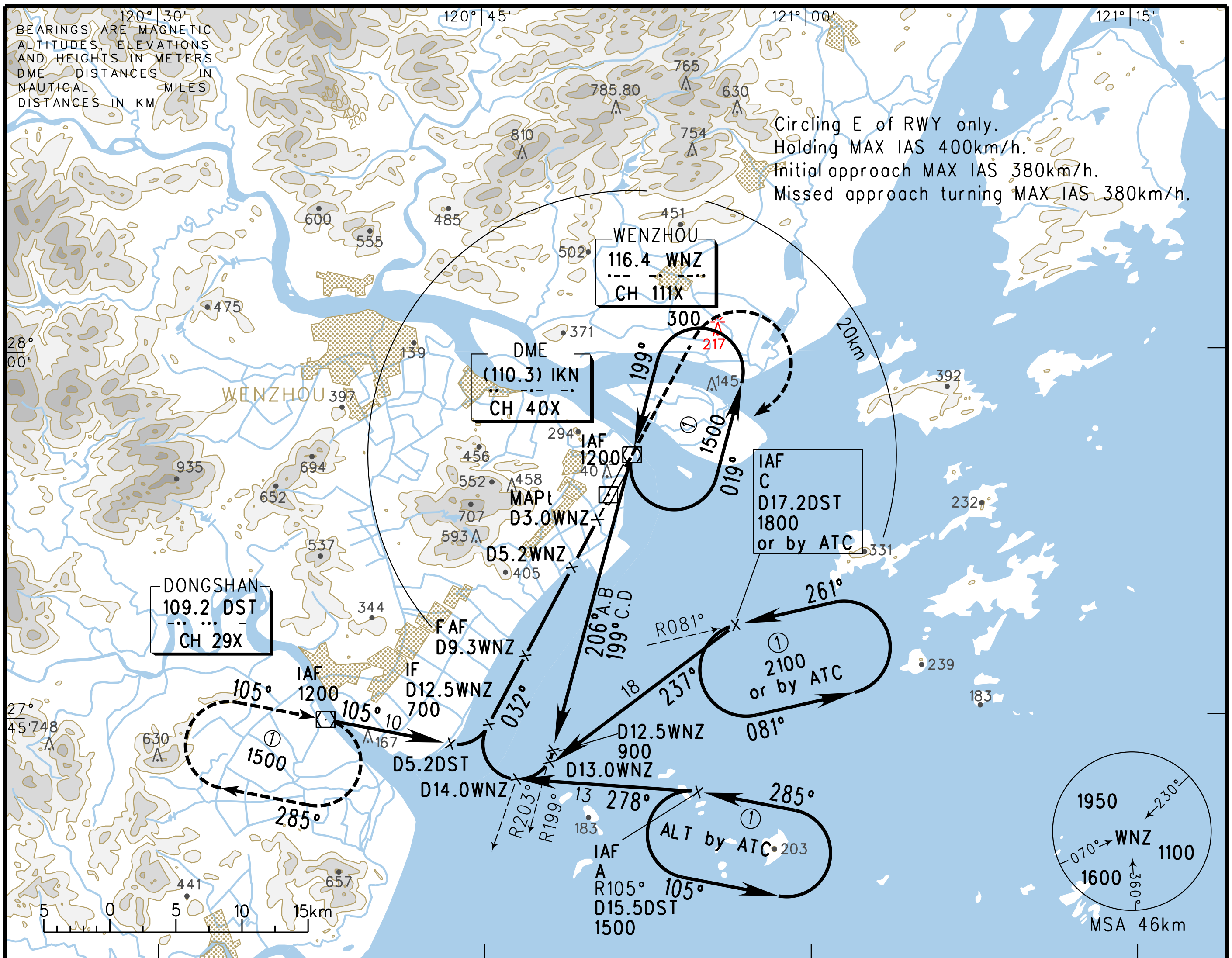
VAR4° W

AERODROME ELEV 5.1
THR RWY03 ELEV 5.1

ATIS 127.05
APP01 119.625(132.15)
APP02 120.25(132.15)
APP03 127.975(132.15)
TWR 118.875(118.2)

ZSWZ WENZHOU/Longwan

VOR/DME RWY03

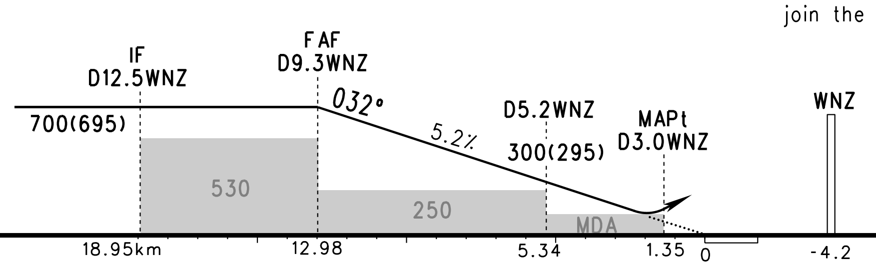


DME (WNZ) (NM)	9	8	7	6	5	4	3	2
ALT (m)	673	576	479	382	285	188		

TL 3600
TA 3000
3300(QNH≥1031hPa)
2700(QNH≤979hPa)

MISSED APPROACH

Climb straight ahead to 300, turn RIGHT to DST at 1200 or above to join the holding pattern or by ATC.



	A	B	C	D
VOR/DME MDA(H) VIS	120(115) 1400		120(115) 1600	120(115) 1800
CIRCLING MDA(H) VIS	190(185) 3200		210(205) 4000	290(285) 4800

FAF-MAPt(GP INOP) 11.63km						
GS in kt / kmH	80 / 150	100 / 185	120 / 220	140 / 260	160 / 295	180 / 335
Time min:sec	4:43	3:46	3:08	2:41	2:21	2:06
Rate of descent m/s	2.2	2.7	3.2	3.8	4.3	4.9

Changes: OBST.

INSTRUMENT
APPROACH
CHART-ICAO

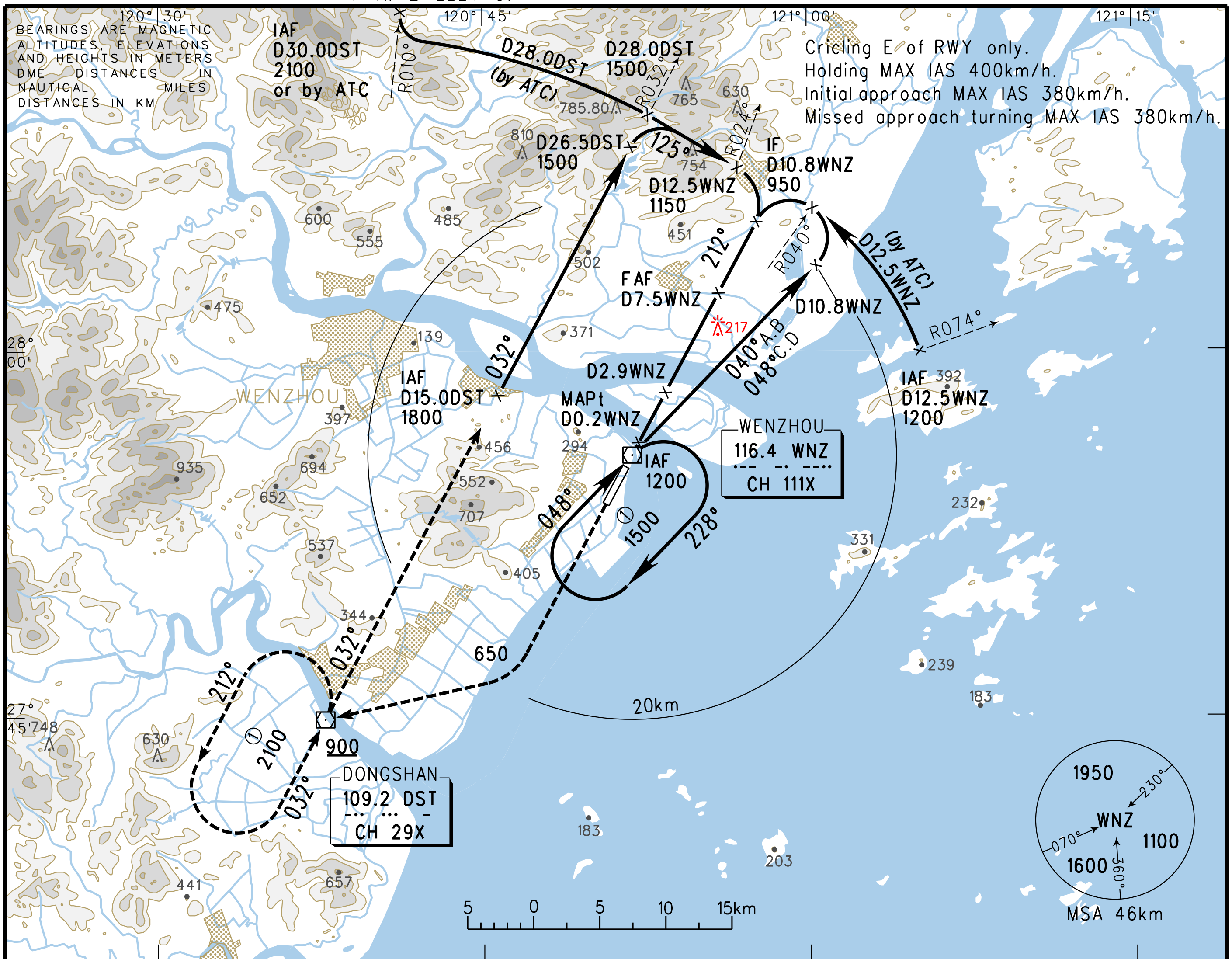
VAR4° W

AERODROME ELEV 5.1
THR RWY21 ELEV 5.1

ATIS 127.05
APP01 119.625(132.15)
APP02 120.25(132.15)
APP03 127.975(132.15) TWR 118.875(118.2)

ZSWZ WENZHOU/Longwan

VOR/DME RWY21

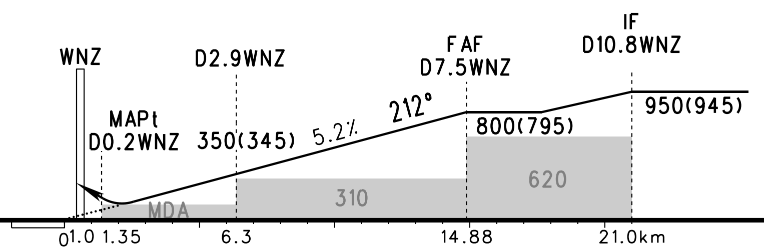


DME (WNZ) (NM)	1	2	3	4	5	6	7	8
ALT (m)	170	267	364	461	558	655	752	

MISSED APPROACH

Climb straight ahead to 650,turn RIGHT to DST at 900 or above to join the holding pattern for approach, or by ATC.

TL 3600
TA 3000
3300(QNH≥1031hPa)
2700(QNH≤979hPa)



	A	B	C	D
VOR/DME MDA(H) VIS	120(115) 1400		120(115) 1600	120(115) 1800
CIRCLING MDA(H) VIS	190(185) 3200		210(205) 4000	290(285) 4800

FAF-MAPt 13.53km						
GS in kt / kmH	80 / 150	100 / 185	120 / 220	140 / 260	160 / 295	180 / 335
Time min:sec	5:29	4:23	3:39	3:08	2:44	2:26
Rate of descent m/s	2.2	2.7	3.2	3.8	4.3	4.9

Changes: OBST.

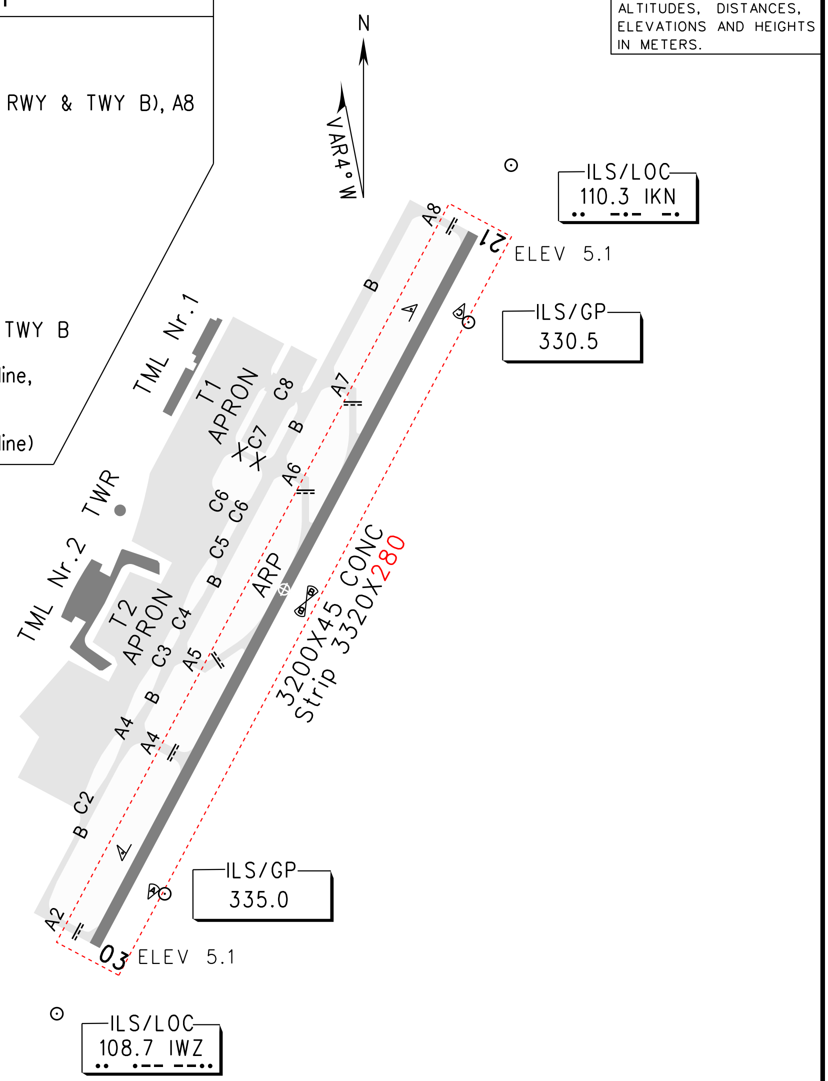
D-ATIS 127.05
GND 121.85
TWR 118.875(118.2)(DCL AVBL)

ZSWZ WENZHOU/Longwan

N27°54.6'E120°51.2' ELEV 5.1m

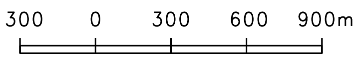
BEARINGS ARE MAGNETIC. ALTITUDES, DISTANCES, ELEVATIONS AND HEIGHTS IN METERS.

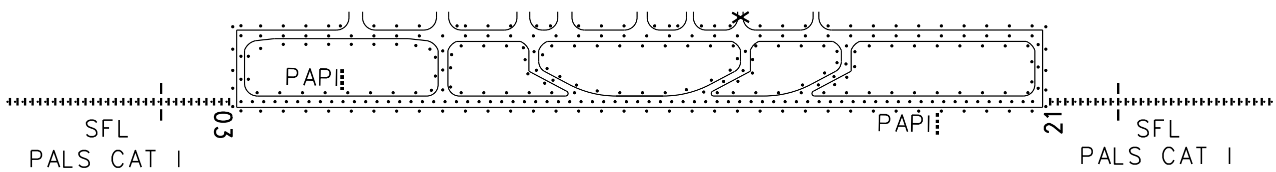
RWY	Direction	Bearing strength
03	032°	PCR 1050/R/B/W/T: RWY03/21 CONC PCR 1990/F/C/X/T:TWY A6 PCR 1960/F/C/X/T:TWY A7 PCR 1850/F/B/X/T:TWY A4(connect with RWY & TWY B), A8 PCR 1850/F/C/X/T:TWY C5 PCR 1810/F/B/X/T:TWY A5 PCR 1490/F/B/X/T:TWY C8 PCR 1370/R/B/W/T:TWY C2 PCR 1310/R/B/W/T:TWY C4
21	212°	PCR 1280/R/B/W/T:TWY C3 PCR 1170/R/B/W/T:TWY A2 PCR 1130/R/B/W/T:TWY B(S of A4) PCR 1010/R/B/W/T:TWY B(N of A4) PCR 820/R/A/W/T:TWY A4(connect with TWY B & parking apron) PCR 820/R/B/W/T:TWY C6(S of center line, 22-80m W of TWY B center line) PCR 750/R/B/W/T:TWY C7 PCR 700/R/B/W/T:TWY C6(N of center line)

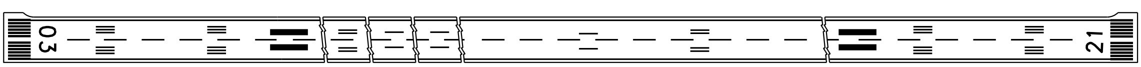


Note:

1. TWY C7: U/S







TAKE-OFF MINIMA(WITH RELIABLE ALTN)(m)

ACFT Type		RWY03 REDL	RWY03 NIL(Day only)	RWY21 REDL	RWY21 NIL(Day only)
2 TURB ENG or 3&4 ENG	A B C D	RVR400 VIS800	RVR500 VIS800	RVR400 VIS800	RVR500 VIS800
Other 1&2 ENG		VIS1600			

Note: Nil

LIGHTS

RWY03	RWY21
PALS CAT I SFL PAPI REDL RCLL RENL	PALS CAT I SFL PAPI REDL RCLL RENL

Changes: Strip width.

INSTRUMENT APPROACH CHART-ICAO

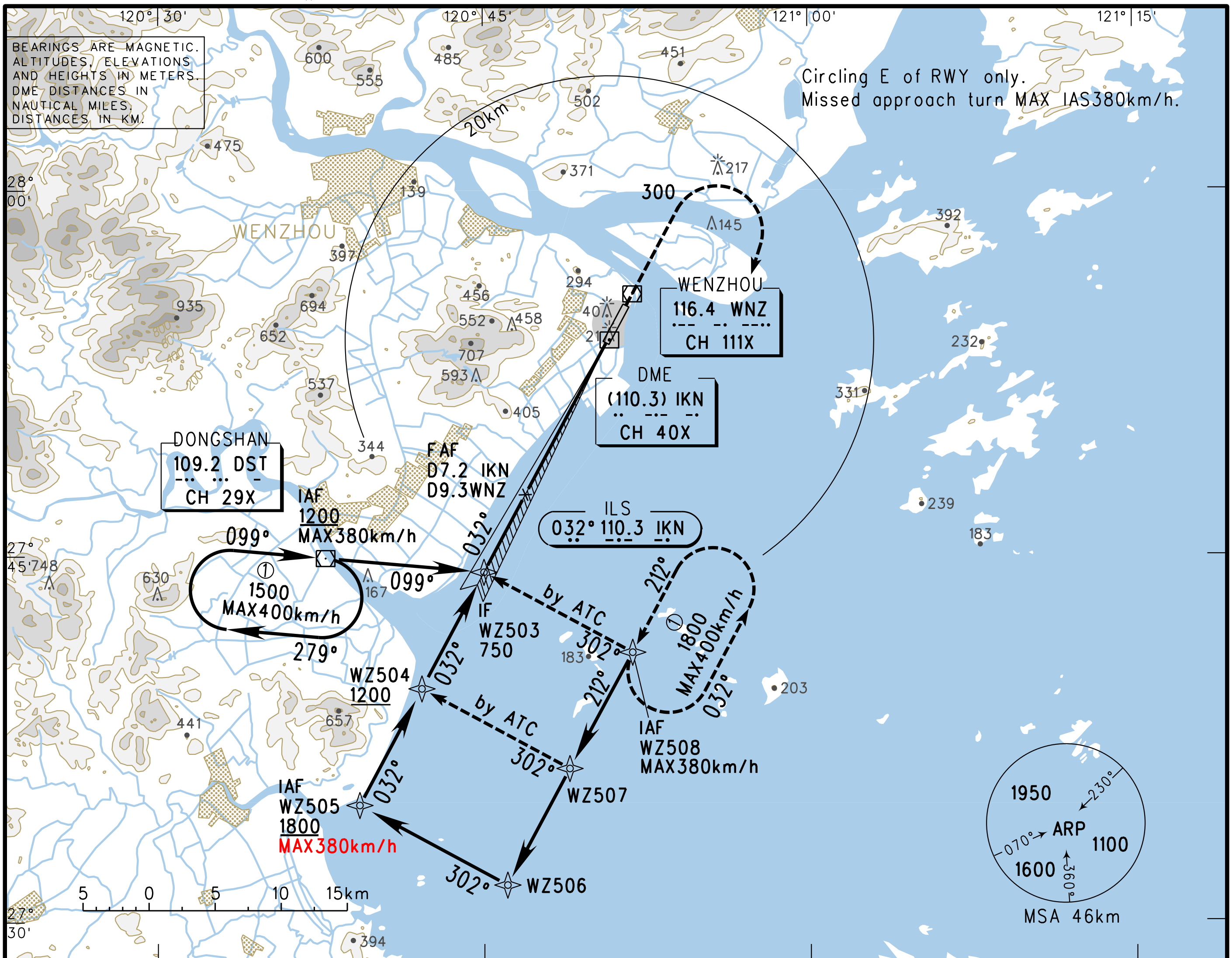
VAR4° W

AERODROME ELEV 5.1
THR RWY03 ELEV 5.1

APP01 119.625(132.15)
APP02 120.25(132.15)
APP03 127.975(132.15)
ATIS 127.05 TWR 118.875(118.2)

ZSWZ WENZHOU/Longwan

RNP ILS/DME z RWY03

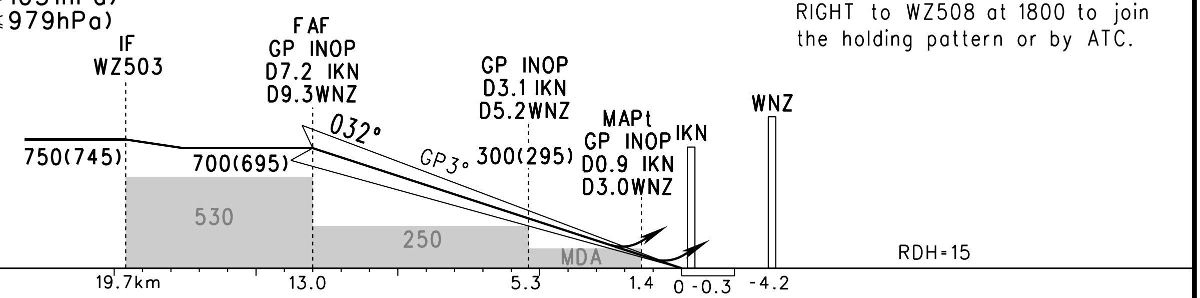


GP INOP	DME (IKN) (NM)	7	6	5	4	3	2	1
	ALT (m)	683	586	489	392	295	197	

TL 3600
TA 3000
3300(QNH ≥ 1031hPa)
2700(QNH ≤ 979hPa)

MISSED APPROACH

Climb straight ahead to 300, turn RIGHT to WZ508 at 1800 to join the holding pattern or by ATC.



	A	B	C	D
ILS/DME DA(H) RVR/VIS ❶	65(60) 550/800			
GP INOP MDA(H) VIS	120(115) 1400		120(115) 1600	120(115) 1800
CIRCLING MDA(H) VIS	190(185) 3200		210(205) 4000	290(285) 4800

FAF-MAPt(GP INOP) 11.6km						
GS in kt / km/h	80 / 150	100 / 185	120 / 220	140 / 260	160 / 295	180 / 335
Time min:sec	4:43	3:46	3:08	2:41	2:21	2:06
Rate of descent m/s	2.2	2.7	3.2	3.8	4.3	4.9

❶ HUD CAT Ⅰ: (DH)(45),(RA)(48),RVR450

Changes: Add WZ505 speed limit.

INSTRUMENT APPROACH CHART-ICAO

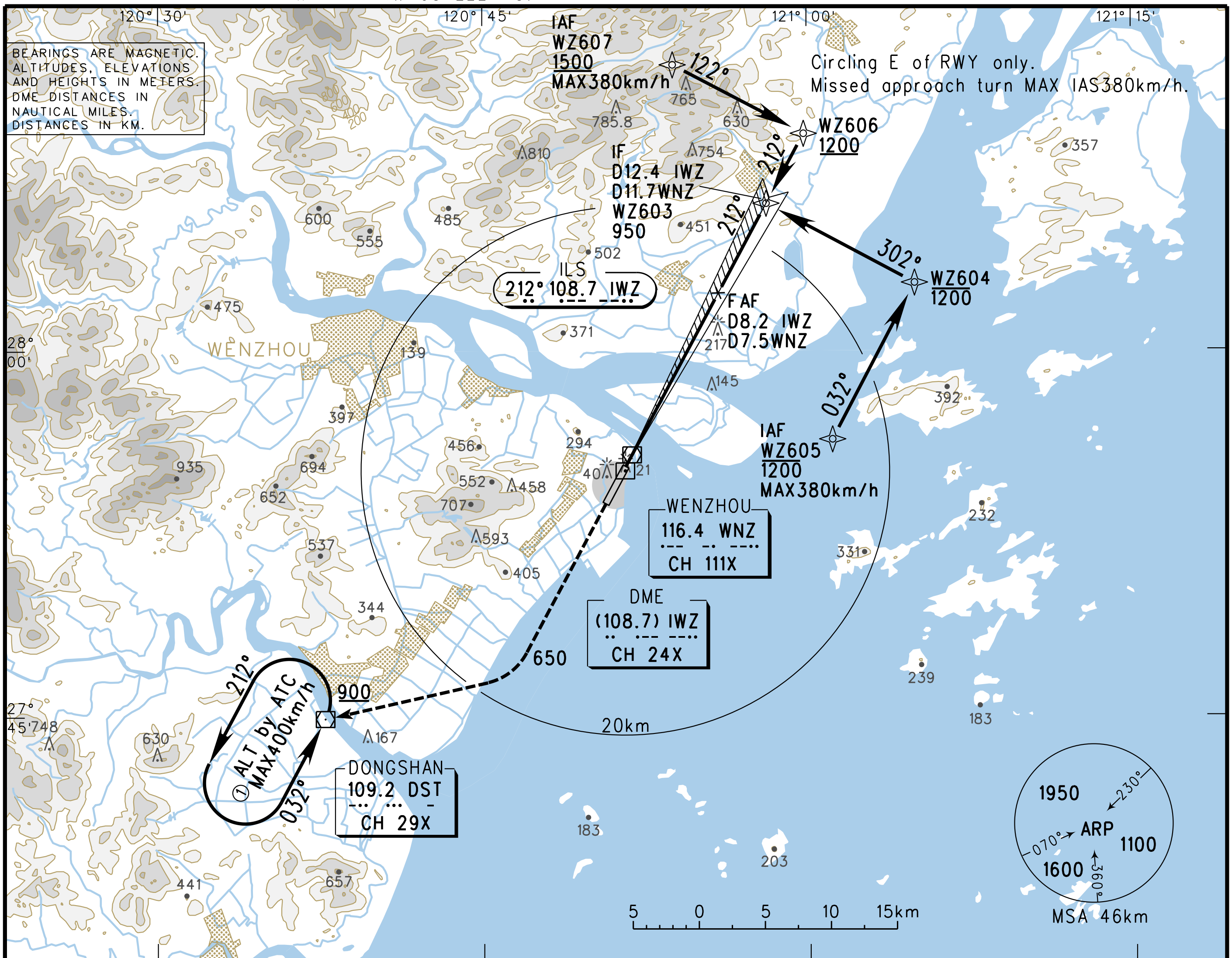
VAR4° W

AERODROME ELEV 5.1
THR RWY03 ELEV 5.1

APP01 119.625(132.15)
APP02 120.25(132.15)
APP03 127.975(132.15)
ATIS 127.05 TWR 118.875(118.2)

ZSWZ WENZHOU/Longwan

RNP ILS/DME z RWY21

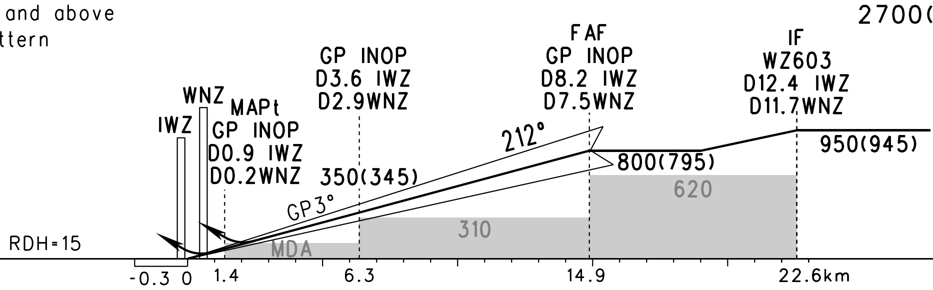


GP INOP	DME (IWZ) (NM)	2	3	4	5	6	7	8
	ALT (m)	197	295	392	489	586	683	780

MISSED APPROACH

Climb straight ahead to 650, turn RIGHT to DST at 900 and above to join the holding pattern or by ATC.

TL 3600
TA 3000
3300(QNH ≥ 1031hPa)
2700(QNH ≤ 979hPa)



	A	B	C	D
ILS/DME DA(H) RVR/VIS ❶	65(60) 550/800			
GP INOP MDA(H) VIS	120(115) 1400		120(115) 1600	120(115) 1800
CIRCLING MDA(H) VIS	190(185) 3200		210(205) 4000	290(285) 4800

FAF-MAPt(GP INOP) 13.5km

GS in kt / km/h	80 / 150	100 / 185	120 / 220	140 / 260	160 / 295	180 / 335
Time min:sec	5:29	4:23	3:39	3:08	2:44	2:26
Rate of descent m/s	2.2	2.7	3.2	3.8	4.3	4.9

❶ HUD CAT I: (DH)(45),(RA)(47),RVR450

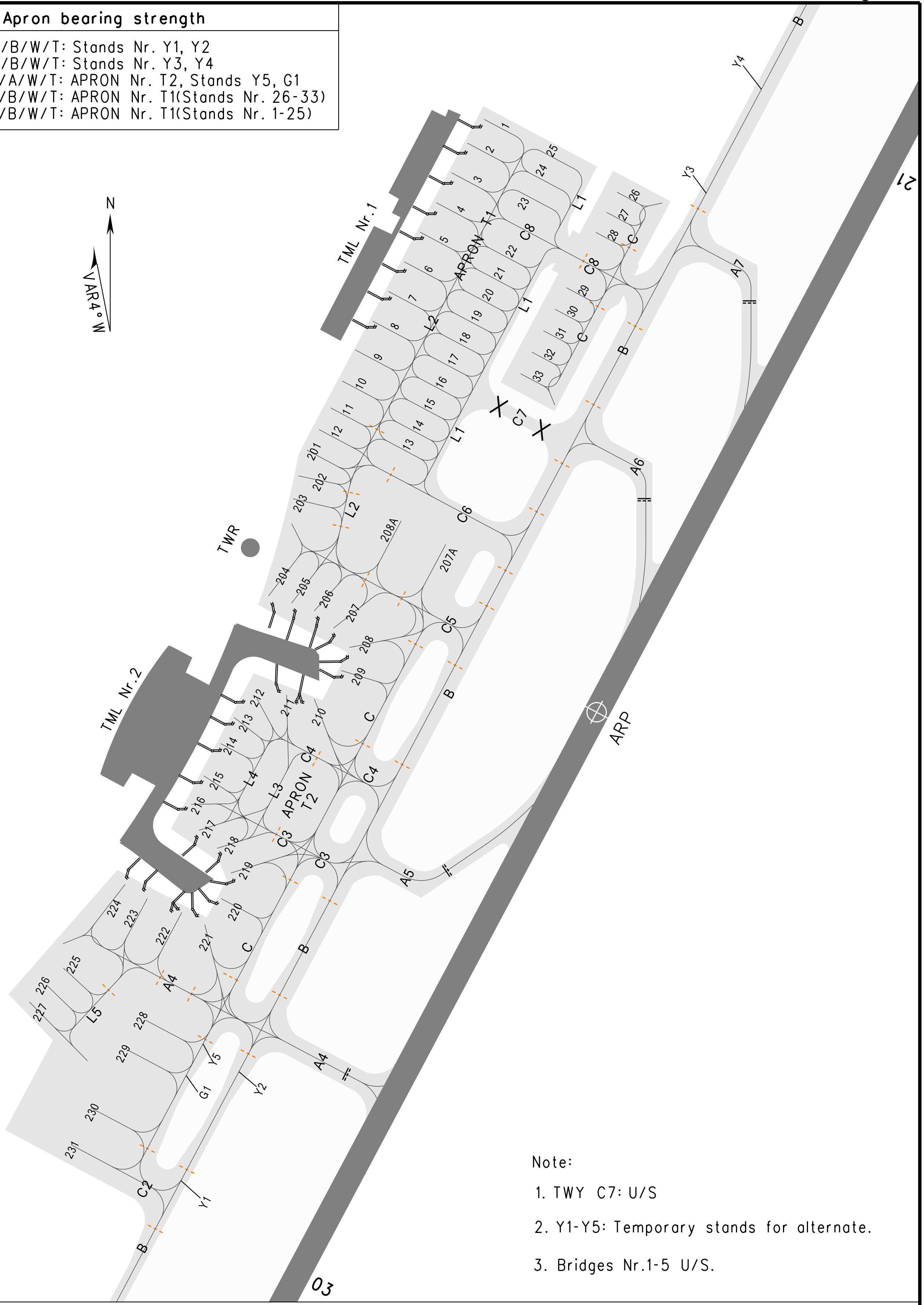
Changes: Nil.

AIRCRAFT PARKING CHART-ICAO

D-ATIS 127.05
GND 121.85
TWR 118.875(118.2)(DCL AVBL)

ZSWZ WENZHOU/Longwan

Apron bearing strength
PCR 1130/R/B/W/T: Stands Nr. Y1, Y2
PCR 1010/R/B/W/T: Stands Nr. Y3, Y4
PCR 820/R/A/W/T: APRON Nr. T2, Stands Y5, G1
PCR 770/R/B/W/T: APRON Nr. T1(Stands Nr. 26-33)
PCR 720/R/B/W/T: APRON Nr. T1(Stands Nr. 1-25)



Note:

1. TWY C7: U/S
2. Y1-Y5: Temporary stands for alternate.
3. Bridges Nr.1-5 U/S.

Changes: Nil.

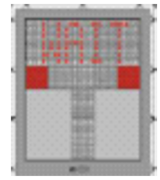
目视停靠引导系统飞行员指南
Pilot instructions for Visual Docking Guidance System

1.启动系统

START-OF-DOCKING

The system is started, display shows "WAIT" .

系统启动后，显示“WAIT”(等待)。

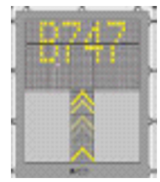


2.捕获

CAPTURE

The floating arrows indicate that the system is activated and in capture mode, searching for an approaching aircraft. It shall be checked that the correct aircraft type is displayed. The lead-in line shall be followed.

闪动的箭头表明系统已被激活且处于捕获模式，对靠近的机型进行检测。检查航空器类型是否正确。跟随引导线滑行。

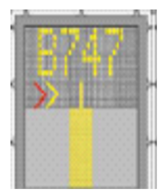


3.跟踪

TRACKING

When the aircraft has been caught by the laser, the floating arrow is replaced by the yellow centre line indicator. The vertical yellow arrow shows position in relation to the centre line.
This indicator gives correct position and azimuth guidance.

航空器被激光扫描仪捕获后，闪动箭头将被如图所示黄色中心线（停靠进度条）代替。红色的闪动图标表明航空器的转向。垂直的黄色箭头表示航空器距中轴线的位置。这个指示器指出航空器的正确位置并进行方位引导。

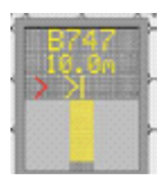


4.停泊进度

CLOSING RATE

Display of digital countdown will start when the aircraft is 30 meters from stop position. When the aircraft is less than 15 meter from the stop position, the closing rate is indicated by turning off one row of the centre line symbol per 0.5 metre, covered by the aircraft. Thus, when the last row is turned off, 0.5 metre remains to stop.

航空器距泊位30m后，开始出现距离倒计数信息。当航空器距停泊位15m时，停泊进度条将逐行关闭，每关闭一行相当于航空器前进0.5m。当最后一行关闭时，到停止位置只剩0.5m。

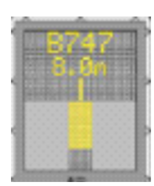


5.对准中线

ALIGNED TO CENTRE

The aircraft is eight meters from the stop position.
The absence of any red arrow indicates an aircraft on the centre line.

航空器距停止位置8米时，如果不显示任何方向箭头则表明航空器处于中轴线上。

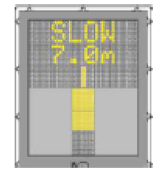


Note: Use for the DGS of Gates 204-224.

目视停靠引导系统飞行员指南
Pilot instructions for Visual Docking Guidance System

6.减速

SLOW DOWN



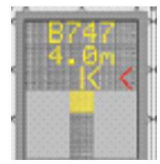
If the aircraft is approaching faster than the accepted speed, the system will show SLOW as a warning to the pilot.

如果航空器的速度超过系统设定的限制速度，系统将向飞行员显示“SLOW”(减速)警告。

7.方位引导

AZIMUTH GUIDANCE

The aircraft is four meters from the stop-position. The yellow arrow indicates an aircraft to the right of the centre line, and the red flashing arrow indicates the direction to turn.

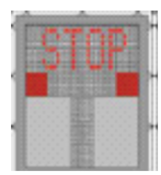


航空器距泊位4m。黄色箭头表明航空器偏到了中轴线的右边，红色箭头指出了航空器应转的方向。

8.到达停止位

STOP POSITION REACHED

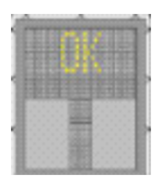
When the correct stop-position is reached, the display will show STOP and red lights will be lit.



当航空器到达正确的泊位位置时，显示器将显示“STOP”(停止)和如图所示的红色方块图标。

9.停泊结束

DOCKING COMPLETED



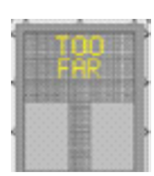
When the aircraft has parked, OK will be displayed.

当停泊过程结束时，将显示“OK”。

10.越过泊位

OVERSHOOT

If the aircraft has overshot the stop- position, TOO FAR will be displayed.



如果航空器滑动超出了泊位，将显示“TOO FAR”。

Note: Use for the DGS of Gates 204-224.

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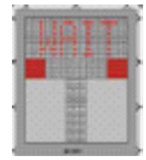
Pilot instructions for Visual Docking Guidance System

11.等待

WAIT

If some object is blocking the view toward the approaching aircraft or the detected aircraft is lost during docking close to STOP, the display will show WAIT. The docking will continue as soon as the blocking object has disappeared or the system detects the aircraft again.

靠近停止位时，若某些物体阻挡了系统对行进航空器的观察，或丢失了已检测到的航空器，显示屏显示“WAIT”。如果阻挡物体消失或系统重新检测到航空器，停泊过程将继续。飞行员不能继续滑行直到“WAIT” 消息被停泊进度条代替。

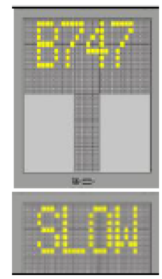


12.恶劣天气

BAD WEATHER

If the visibility reduce, the display will show SLOW. The pilot must not proceed beyond the bridge unless the closing rate bar is shown.

当能见度降低时，显示屏显示“SLOW”。航空器不得超过登机桥位置，直到设备显示进度条。

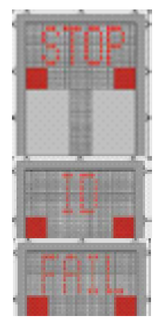


13.航空器验证失败

AIRCRAFT VERIFICATION FAILURE

During entry into the Stand, the aircraft geometry is being checked. If ,for any reason, aircraft verification is not made 15 meters before the stop-position, the display will first show WAIT and make a second verificationcheck. If this fails STOP and ID FAIL will be displayed. The pilot must not proceed beyond the bridge without manual guidance, unless the WAIT message has been superseded by the closing rate bar.

在航空器进入泊位的期间，系统将检测航空器的几何形状。如果由于某些原因在距离停止位置15米前没能完成航空器验证，显示器显示“WAIT”，并进行第二次检测。如果这次仍然失败，则显示“STOP” 和 “ID FAIL”。后一天文本将分成上下两行显示。没有人工引导，航空器不能继续滑行，除非显示停泊进度条。

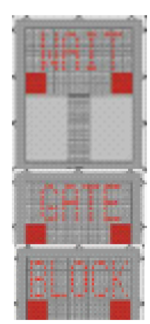


14.扫描停止位被阻挡

GATE BLOCKED

If an object is found blocking the view from the DGS to the planned stop position for the aircraft, the docking procedure will be halted with a WAIT and GATE BLOCK message. The docking procedure will resume as soon as the blocking object has been removed.The pilot must not proceed beyond the bridge without manual guidance, unless the WAIT message has been superseded by the closing rate bar.

如果停靠引导系统和航空器预定停泊位置之间的视阈被某些物体阻挡，则停泊程序将被终止，同时显示“WAIT”和 “GATE BLOCK” 信息。一旦移除阻挡物体，停泊程序也将恢复。没有人工引导，飞行员不能继续滑行，除非“WAIT”信息被停泊进度条取代。

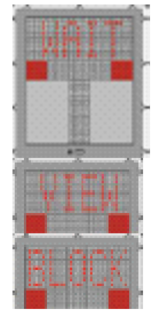


Note: Use for the DGS of Gates 204-224.

目视停靠引导系统飞行员指南
Pilot instructions for Visual Docking Guidance System

15.观测被阻挡

VIEW BLOCKED

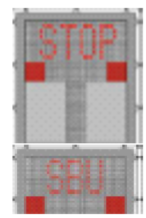


If the view towards the approaching aircraft is hindered, for instance by dirt on the window, the DGS will report a View blocked condition. Once the system is able to see the aircraft through the dirt, the message will be replaced with a closing rate display.The pilot must not proceed beyond the bridge without manual guidance, unless the WAIT message has been superseded by the closing rate bar.

如果系统对行进航空器的观察受到阻碍，例如窗口上的污垢所致，系统将报告此状况。一旦系统能够看到航空器，则显示停泊进度条。未经人工引导，航空器不能继续滑行，除非“WAIT”信息被停泊进度条取代。

16.SBU-STOP

SBU-STOP

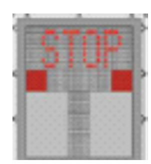


Any unrecoverable error during the docking procedure will generate an SBU (safety backu-up) condition. The display will show red stop bar and the text STOP SBU. A manual backup procedure must be used for docking guidance.

在停泊过程中的任何不可恢复性错误将导致系统显示SBU(安全备份)信息。显示器将显示红色的停止条和文字 “STOP” “SBU” 。必须提供人工引导。

17.紧急停止

EMERGENCY STOP



When the Emergency Stop button is pressed, STOP is displayed.

当按下紧急停止按钮时，显示 “STOP” 。

18.上轮机挡

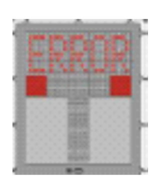
CHOCKS ON

CHOCK ON will be displayed, when the ground staff has put the chocks in front of the nose wheel and pressed the "Chocks On" button on the Operator Panel.

当地面人员在前轮放上挡物并在操作员面板按 “Chocks On” 时，指示器将显示 “CHOCK ON” 。

19.错误

ERROR



If a system error occurs, the message ERROR is displayed

如果系统发生错误，将显示 “ERROR” 。

Note: Use for the DGS of Gates 204-224.

目视停靠引导系统飞行员指南
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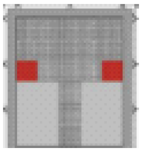
20.系统崩溃

SYSTEM BREAKDOWN

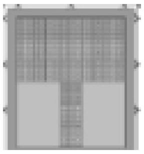


In case of a severe system failure, the display will go black, except for a red stop indicator. A manual backup procedure must be used for docking guidance.

如果遇到严重的系统故障，显示器将变黑，并显示红色的停止信息。
这时必须提供人工引导。

21.电源失效

POWER FAILURE

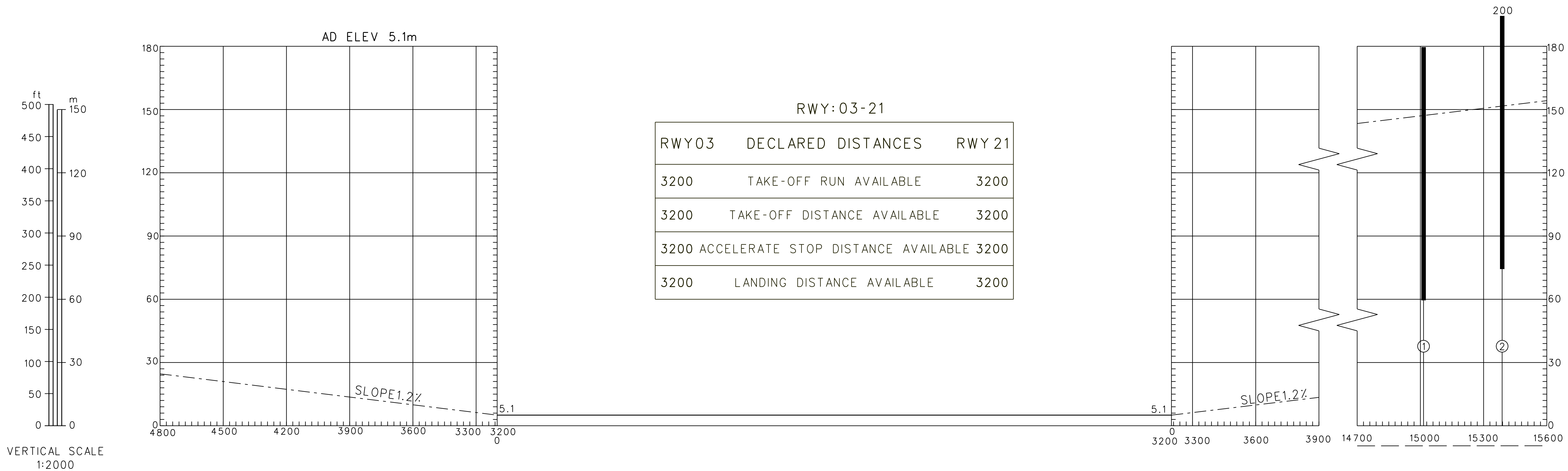


In case of a power failure, the display will be completely black.
A manual backup procedure must be used for docking guidance.

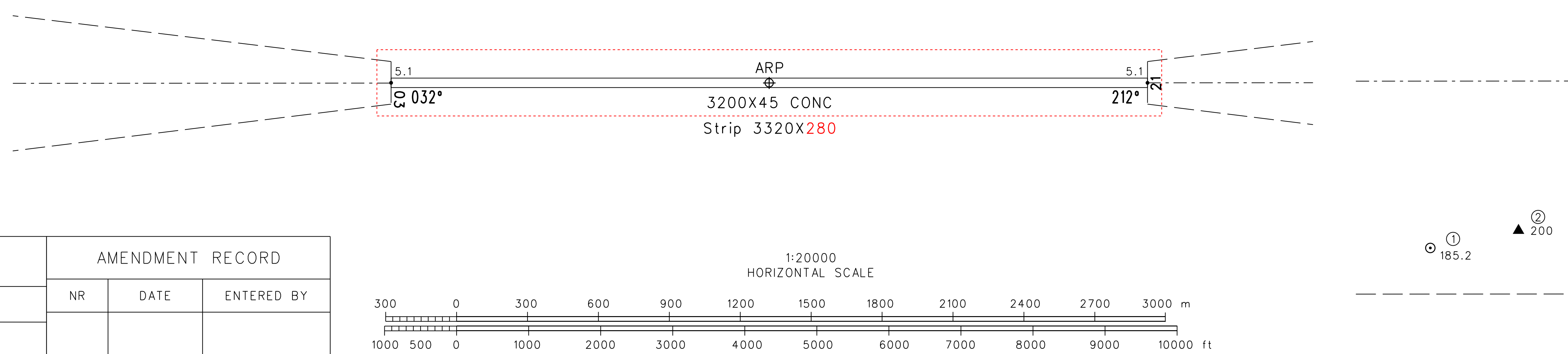
如果遇到电力中断，显示器将完全变黑。这时必须提供人工引导。

Note: Use for the DGS of Gates 204-224.

MAGNETIC VARIATION 4° W



RWY03	DECLARED DISTANCES	RWY 21
3200	TAKE-OFF RUN AVAILABLE	3200
3200	TAKE-OFF DISTANCE AVAILABLE	3200
3200	ACCELERATE STOP DISTANCE AVAILABLE	3200
3200	LANDING DISTANCE AVAILABLE	3200



	LEGEND
①	IDENTIFICATION NR
⊙	POLE
▲	MTN

AMENDMENT RECORD

NR	DATE	ENTERED BY

Changes: Strip width.

STANDARD DEPARTURE CHART-INSTRUMENT

VAR4° W

D-ATIS 127.05
APP01 119.625(132.15)
APP02 120.25(132.15)
APP03 127.975(132.15)
TWR 118.875(118.2)

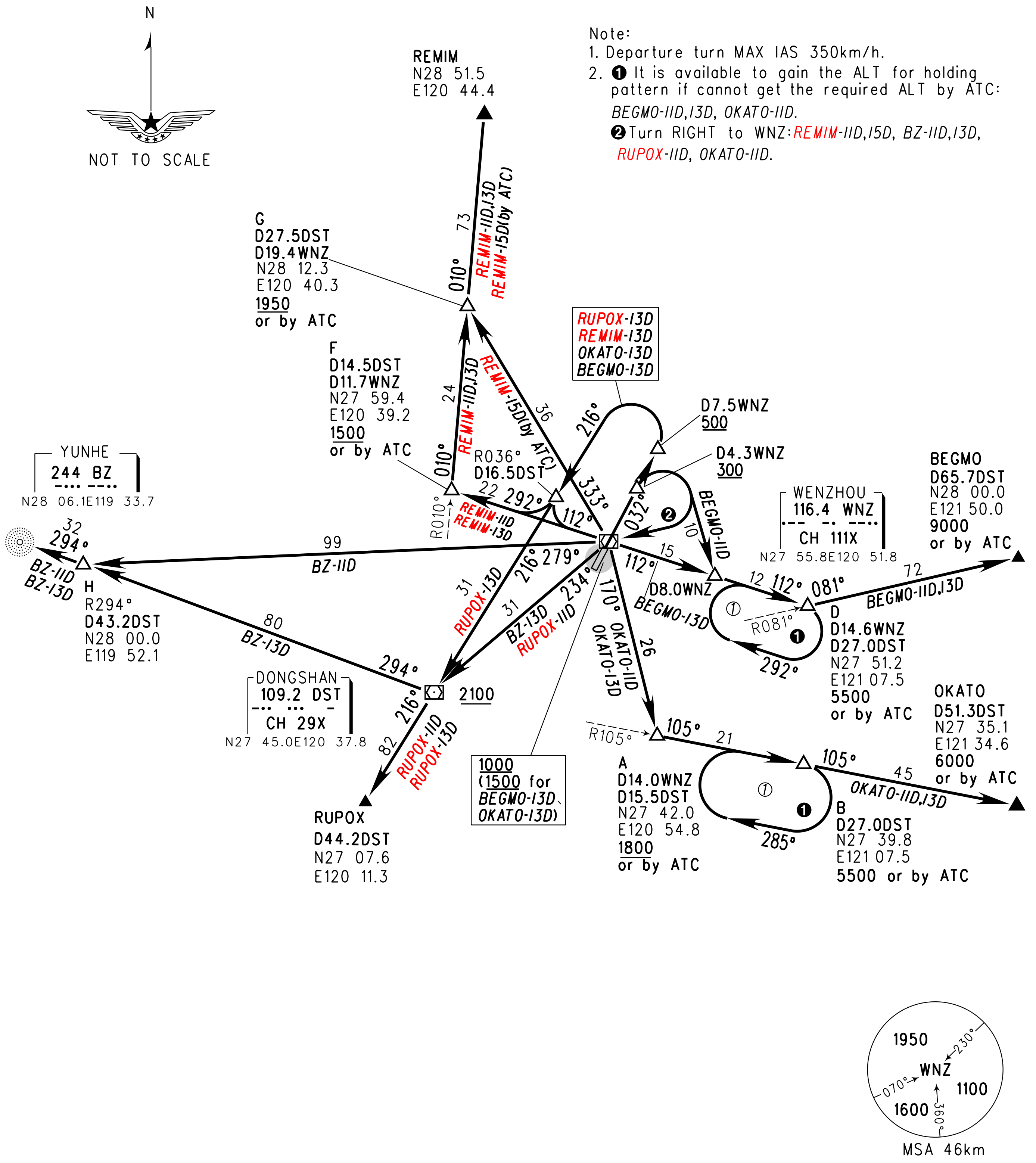
ZSWZ WENZHOU/Longwan

RWY03

BEARINGS ARE MAGNETIC.
ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS.
DME DISTANCES IN NAUTICAL MILES.
DISTANCES IN KM.

TL 3600
TA 3000
3300(QNH ≥ 1031hPa)
2700(QNH ≤ 979hPa)

Note:
1. Departure turn MAX IAS 350km/h.
2. ❶ It is available to gain the ALT for holding pattern if cannot get the required ALT by ATC: *BEGMO-11D,13D, OKATO-11D.*
❷ Turn RIGHT to WNZ: *REMIM-11D,15D, BZ-11D,13D, RUPOX-11D, OKATO-11D.*



Changes: Procedure.

STANDARD DEPARTURE CHART-INSTRUMENT

VAR4° W

ATIS 127.05
APP01 119.625(132.15)
APP02 120.25(132.15)
APP03 127.975(132.15)
TWR 118.875(118.2)

ZSWZ WENZHOU/Longwan

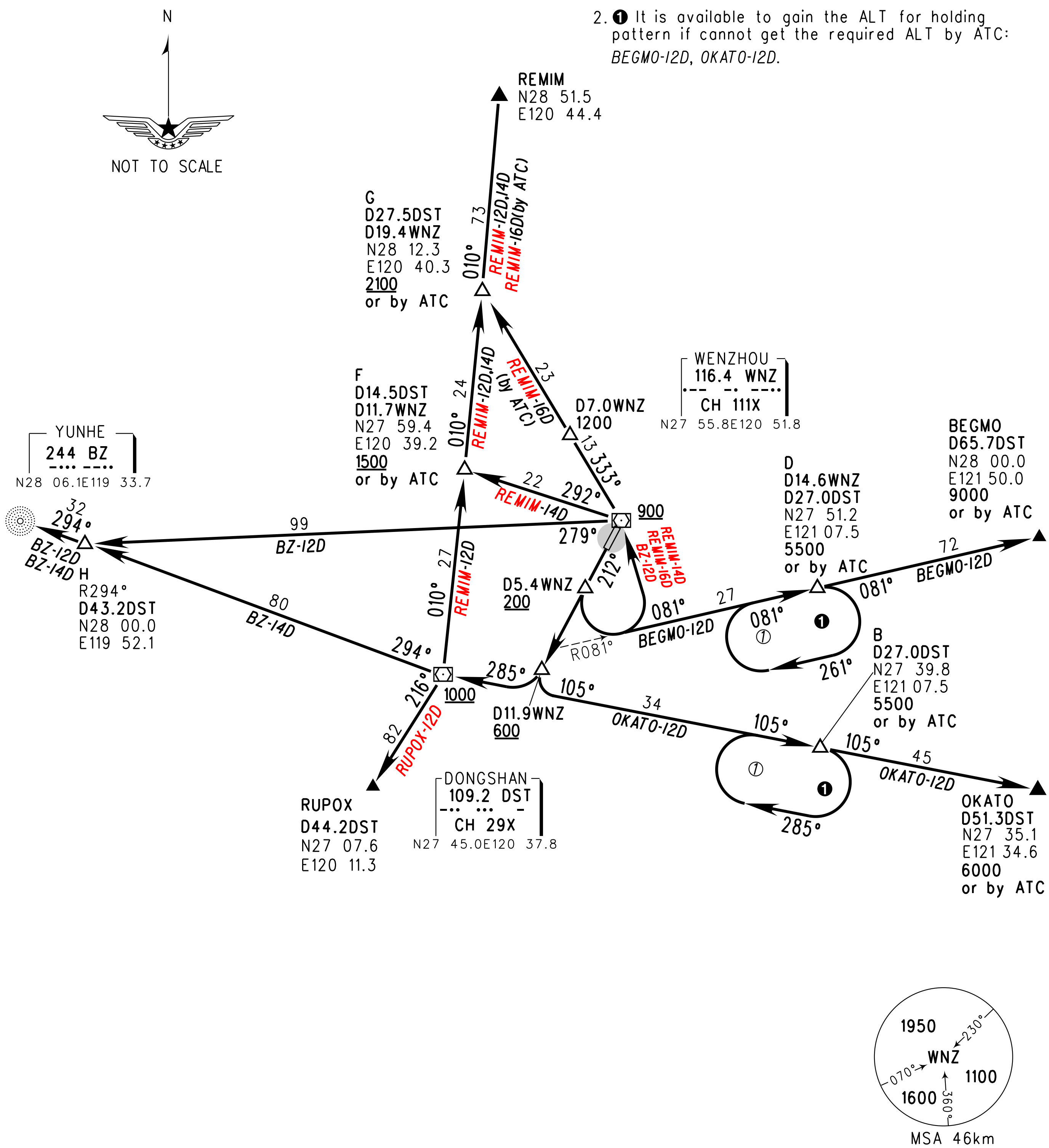
RWY21

BEARINGS ARE MAGNETIC. ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS. DME DISTANCES IN NAUTICAL MILES. DISTANCES IN KM.

TL 3600
TA 3000
3300(QNH⩾1031hPa)
2700(QNH⩽979hPa)

Note:

1. Departure turn MAX IAS 350km/h.
2. ❶ It is available to gain the ALT for holding pattern if cannot get the required ALT by ATC: *BEGMO-12D, OKATO-12D.*



Changes: Procedure.

STANDARD DEPARTURE CHART-INSTRUMENT

VAR4° W

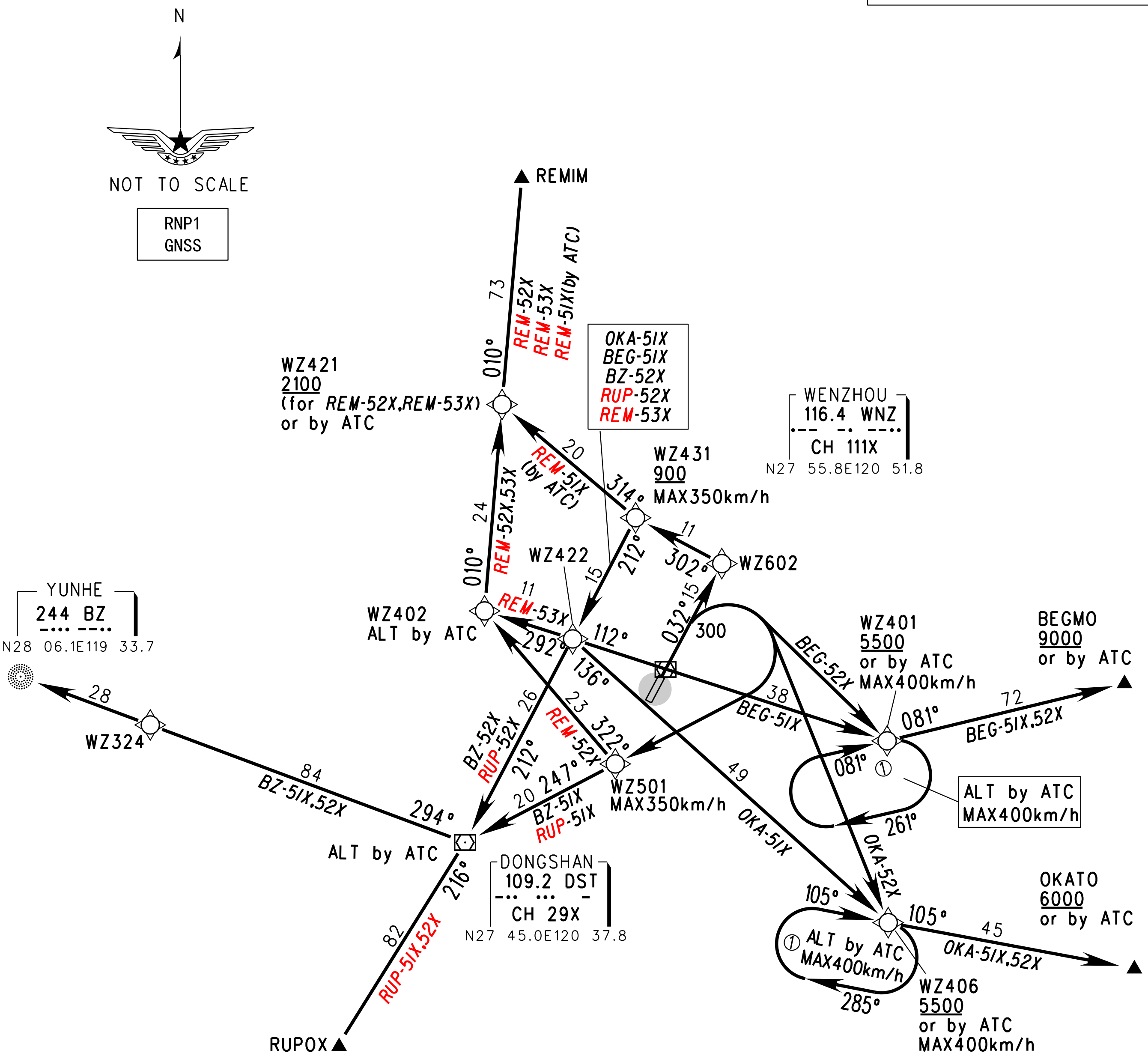
D-ATIS 127.05
APP01 119.625(132.15)
APP02 120.25(132.15)
APP03 127.975(132.15)
TWR 118.875(118.2)

ZSWZ WENZHOU/Longwan

RNP RWY03

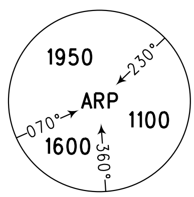
BEARINGS ARE MAGNETIC.
ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS.
DME DISTANCES IN NAUTICAL MILES.
DISTANCES IN KM.

TL 3600
TA 3000
3300(QNH⩾1031hPa)
2700(QNH⩽979hPa)



Note:

1. Turning is forbidden before DER.
2. Aircraft(climb gradient ⩾ 4.0%) can use *BEG-51X*, *REM-53X*, *BZ-52X*, *RUP-52X*, *OKA-52X* to departure.
3. Aircraft(climb gradient⩾ 4.0%) can use *REM-51X* to departure with ATC permission.
4. It is available to gain the ALT at WZ401 for holding pattern if cannot get the required ALT by ATC: *BEG-52X*.

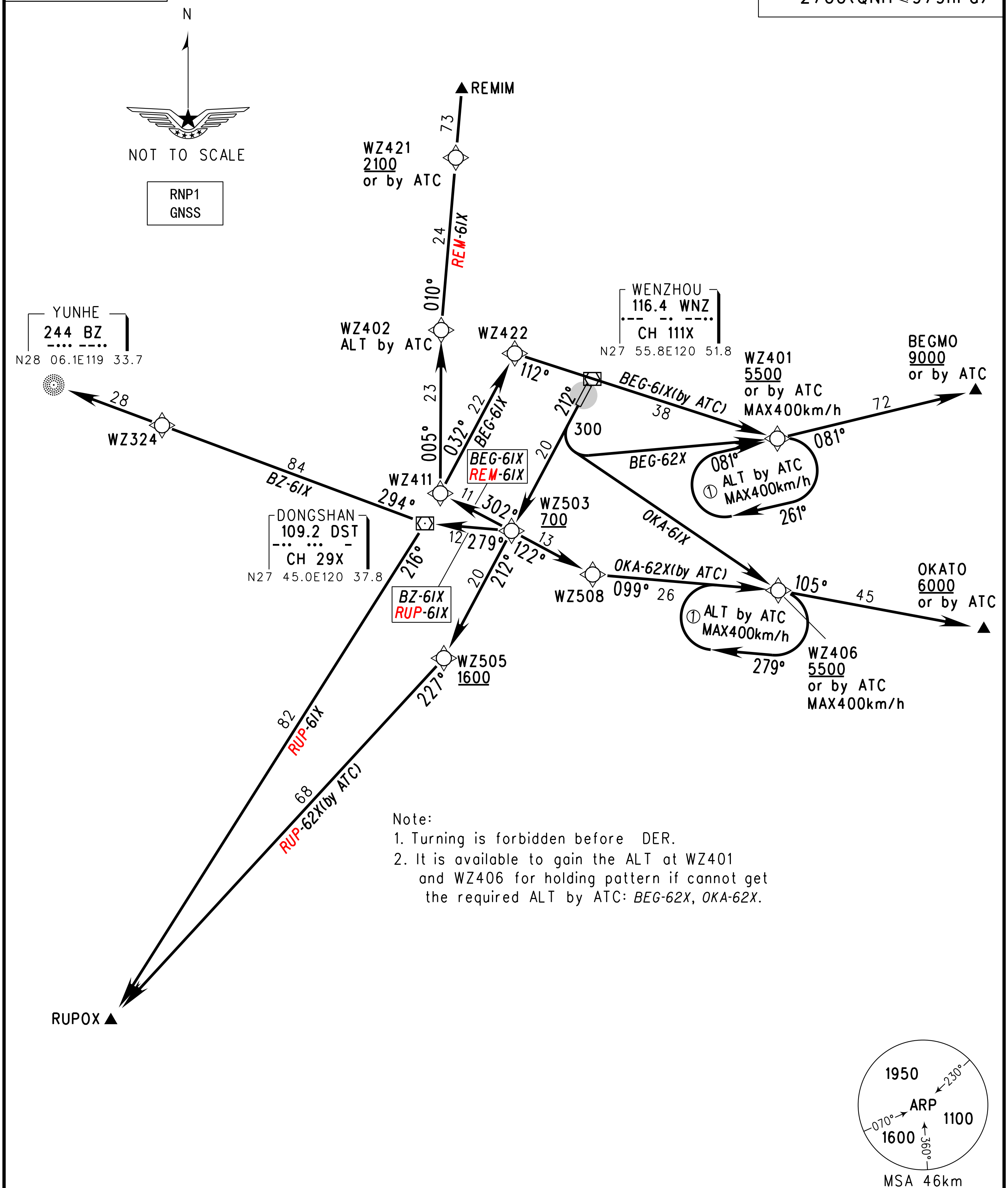


MSA 46km

Changes: Procedure.

BEARINGS ARE MAGNETIC. ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS. DME DISTANCES IN NAUTICAL MILES. DISTANCES IN KM.

TL 3600
TA 3000
3300(QNH≥1031hPa)
2700(QNH≤979hPa)



Note:
1. Turning is forbidden before DER.
2. It is available to gain the ALT at WZ401 and WZ406 for holding pattern if cannot get the required ALT by ATC: *BEG-62X*, *OKA-62X*.

Changes: Procedure.

STANDARD ARRIVAL CHART-INSTRUMENT

VAR4° W

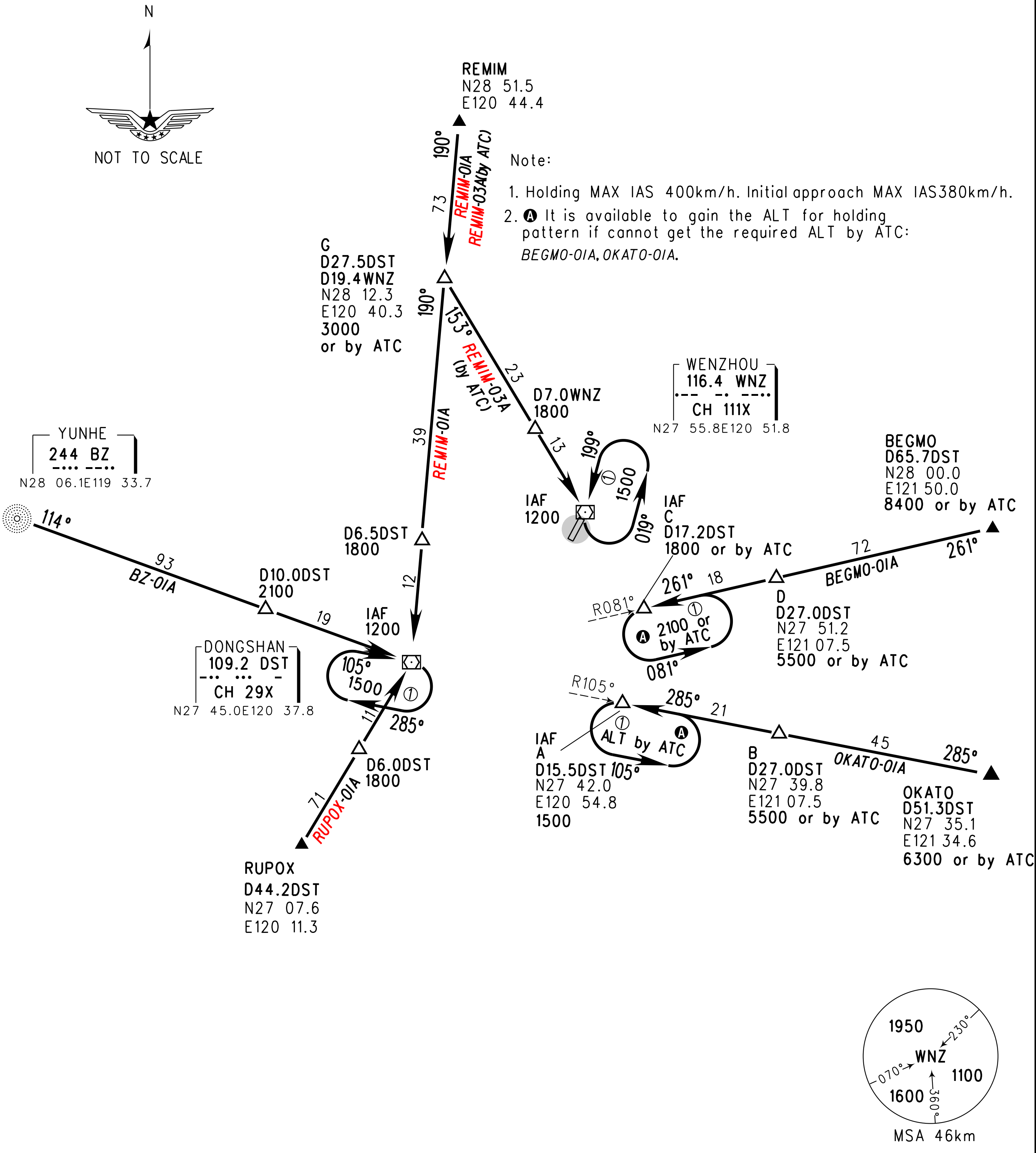
D-ATIS 127.05
APP01 119.625(132.15)
APP02 120.25(132.15)
APP03 127.975(132.15)
TWR 118.875(118.2)

ZSWZ WENZHOU/Longwan

RWY03

BEARINGS ARE MAGNETIC. ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS. DME DISTANCES IN NAUTICAL MILES. DISTANCES IN KM.

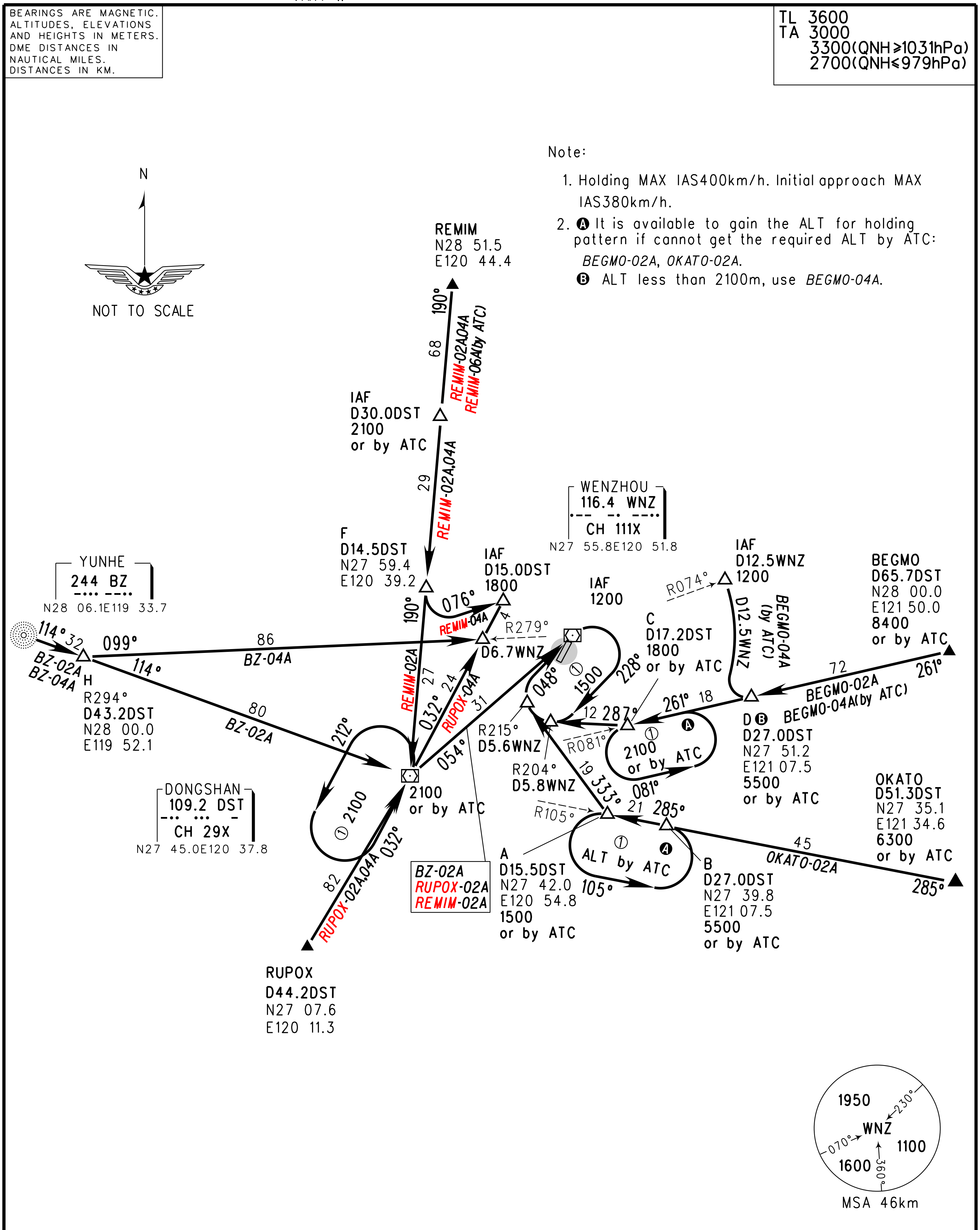
TL 3600
TA 3000
3300(QNH≥1031hPa)
2700(QNH≤979hPa)



Note:

1. Holding MAX IAS 400km/h. Initial approach MAX IAS380km/h.
2. Ⓐ It is available to gain the ALT for holding pattern if cannot get the required ALT by ATC: *BEGMO-01A, OKATO-01A.*

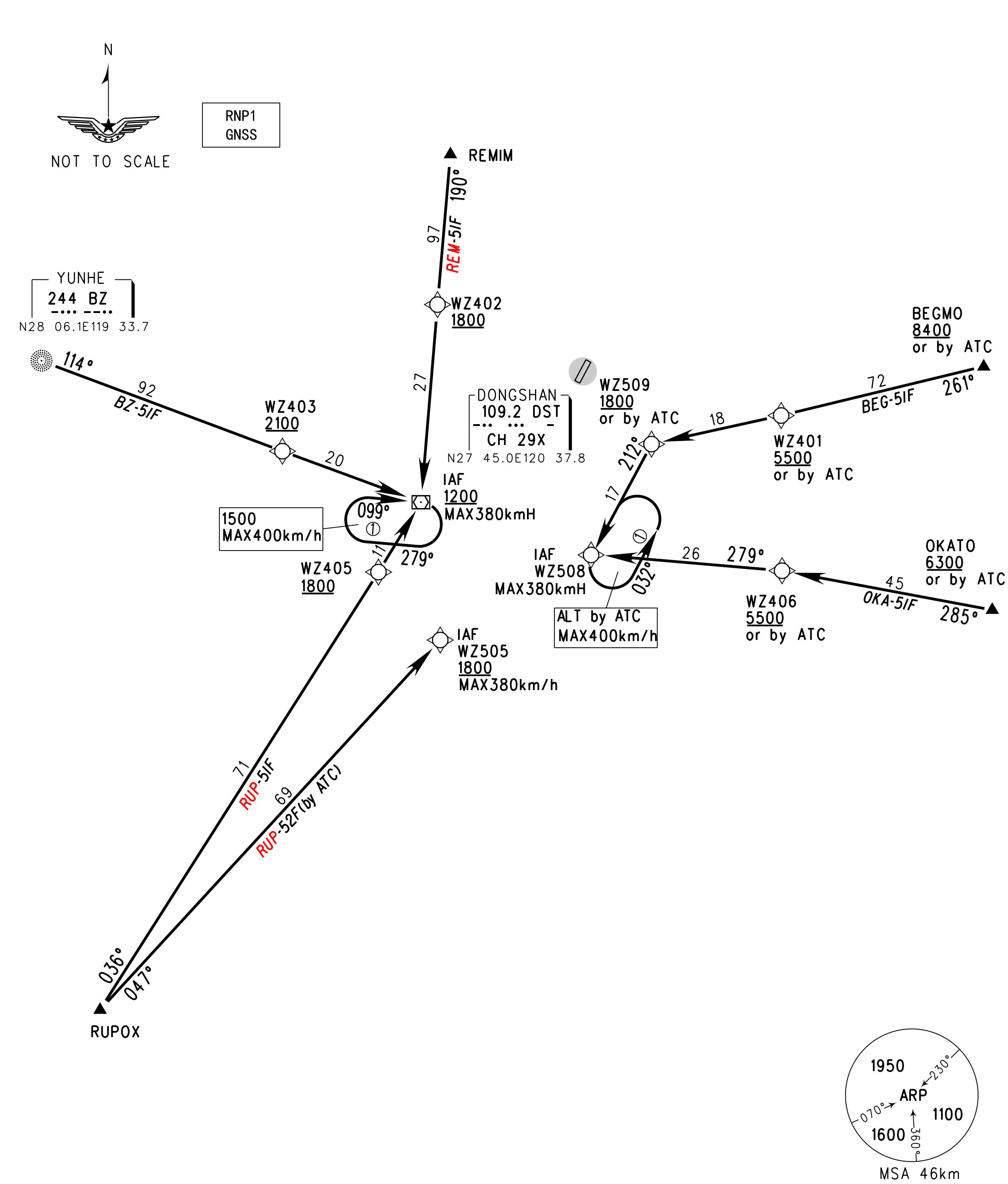
Changes: Procedure.



Changes: Procedure.

BEARINGS ARE MAGNETIC.
ALTITUDES, ELEVATIONS AND HEIGHTS IN METERS.
DME DISTANCES IN NAUTICAL MILES.
DISTANCES IN KM.

TL 3600
TA 3000
3300(QNH ≥1031hPa)
2700(QNH ≤979hPa)



Changes: Procedure.

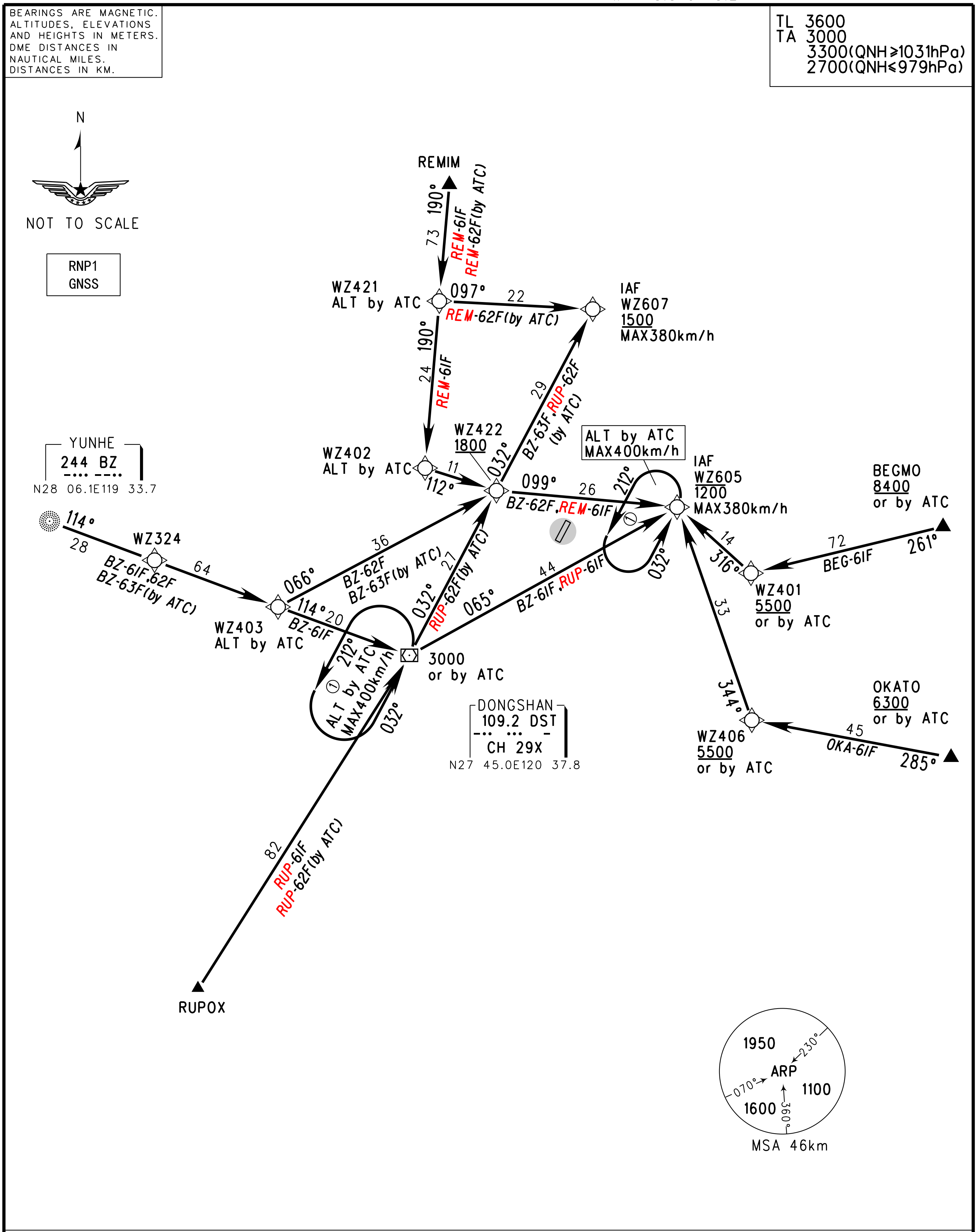
STANDARD ARRIVAL CHART-INSTRUMENT

VAR4° W

D-ATIS 127.05
APP01 119.625(132.15)
APP02 120.25(132.15)
APP03 127.975(132.15) TWR 118.875(118.2)

ZSWZ WENZHOU/Longwan

RNP RWY21



Changes: Procedure.

WAYPOINT ID	COORDINATES	WAYPOINT ID	COORDINATES	WAYPOINT ID	COORDINATES
WZ324	N28° 00'00''E119° 52'04''	BZ	N28° 06.1'E119° 33.7'		
		DST	N27° 45.0'E120° 37.8'		
WZ401	N27° 51'12.0''E121° 07'30.0''				
WZ402	N27° 59'27.0''E120° 39'06.3''	BEGMO	N28° 00'00''E121° 50'00''		
WZ403	N27° 48'41.7''E120° 26'15.7''	OKATO	N27° 35'06''E121° 34'38''		
WZ405	N27° 39'48.5''E120° 34'11.1''	REMIM	N28° 51'32''E120° 44'24''		
WZ406	N27° 39'48.0''E121° 07'30.0''	RUPOX	N27° 07'38''E120° 11'15''		
WZ411	N27° 47'11.3''E120° 39'00.1''				
WZ421	N28° 12'23.7''E120° 40'22.5''				
WZ422	N27° 57'40.9''E120° 45'19.6''				
WZ431	N28° 05'16.1''E120° 49'48.2''				
WZ501	N27° 49'50.0''E120° 48'18.5''				
WZ503	N27° 44'21.5''E120° 45'00.6''				
WZ504	N27° 39'35.1''E120° 42'08.4''				
WZ505	N27° 34'48.6''E120° 39'16.4''				
WZ506	N27° 31'32.0''E120° 46'04.0''				
WZ507	N27° 36'18.2''E120° 48'56.4''				
WZ508	N27° 41'03.7''E120° 51'50.8''				
WZ509	N27° 49'09.1''E120° 56'46.2''				
WZ602	N28° 02'22.3''E120° 55'53.1''				
WZ603	N28° 06'02.6''E120° 58'06.6''				
WZ604	N28° 02'47.0''E121° 04'57.0''				
WZ605	N27° 56'22.4''E121° 01'08.3''				
WZ606	N28° 08'54.2''E120° 59'50.7''				
WZ607	N28° 11'43.9''E120° 53'47.9''				

Changes: New chart.

Path Terminator	Waypoint ID	Fly over	Magnetic Course(°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/TCH	Navigation Specification
RWY03 SID BEG-51X								
CF	WZ602		032					RNP1
TF	WZ431				900	MAX350		RNP1
TF	WZ422							RNP1
TF	WZ401				5500 or by ATC	MAX400		RNP1
TF	BEGMO				9000 or by ATC			RNP1
RWY03 SID BEG-52X								
CA			032		300			RNP1
DF	WZ401			R	5500 or by ATC	MAX400		RNP1
TF	BEGMO				9000 or by ATC			RNP1
RWY03 SID OKA-51X								
CF	WZ602		032					RNP1
TF	WZ431				900	MAX350		RNP1
TF	WZ422							RNP1
TF	WZ406				5500 or by ATC	MAX400		RNP1
TF	OKATO				6000 or by ATC			RNP1
RWY03 SID OKA-52X								
CA			032		300			RNP1
DF	WZ406			R	5500 or by ATC	MAX400		RNP1
TF	OKATO				6000 or by ATC			RNP1
RWY03 SID RUP-51X								
CA			032		300			RNP1
DF	WZ501			R		MAX350		RNP1
TF	DST				ALT by ATC			RNP1
TF	RUPOX							RNP1
RWY03 SID RUP-52X								
CF	WZ602		032					RNP1
TF	WZ431				900	MAX350		RNP1
TF	DST				ALT by ATC			RNP1
TF	RUPOX							RNP1

Changes: Procedure name.

Path Terminator	Waypoint ID	Fly over	Magnetic Course(°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/TCH	Navigation Specification
RWY03 SID BZ-51X								
CA			032		300			RNP1
DF	WZ501			R		MAX350		RNP1
TF	DST				ALT by ATC			RNP1
TF	WZ324							RNP1
TF	BZ							RNP1
RWY03 SID BZ-52X								
CF	WZ602		032					RNP1
TF	WZ431				900	MAX350		RNP1
TF	DST				ALT by ATC			RNP1
TF	WZ324							RNP1
TF	BZ							RNP1
RWY03 SID REM-51X(by ATC)								
CF	WZ602		032					RNP1
TF	WZ431				900	MAX350		RNP1
TF	WZ421				ALT by ATC			RNP1
TF	REMIM							RNP1
RWY03 SID REM-52X								
CA			032		300			RNP1
DF	WZ501			R		MAX350		RNP1
TF	WZ402				ALT by ATC			RNP1
TF	WZ421				2100			RNP1
TF	REMIM							RNP1
RWY03 SID REM-53X								
CF	WZ602		032					RNP1
TF	WZ431				900	MAX350		RNP1
TF	WZ422							RNP1
TF	WZ402				ALT by ATC			RNP1
TF	WZ421				2100			RNP1
TF	REMIM							RNP1
RWY03 SID Holding(Outbound Time:1min)								
HM	WZ401	Y	081	R	ALT by ATC	MAX400		RNP1
HM	WZ406	Y	105	R	ALT by ATC	MAX400		RNP1
RWY21 SID BEG-61X(by ATC)								
CF	WZ503		212		700			RNP1
TF	WZ411							RNP1
TF	WZ422							RNP1
TF	WZ401				5500 or by ATC	MAX400		RNP1

Changes: Procedure name.

Path Terminator	Waypoint ID	Fly over	Magnetic Course(°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/TCH	Navigation Specification
TF	BEGMO				9000 or by ATC			RNP1
RWY21 SID BEG-62X								
CA			212		300			RNP1
DF	WZ401			L	5500 or by ATC	MAX400		RNP1
TF	BEGMO				9000 or by ATC			RNP1
RWY21 SID OKA-61X								
CA			212		300			RNP1
DF	WZ406			L	5500 or by ATC	MAX400		RNP1
TF	OKATO				6000 or by ATC			RNP1
RWY21 SID OKA-62X(by ATC)								
CF	WZ503		212		700			RNP1
TF	WZ508							RNP1
TF	WZ406				5500 or by ATC	MAX400		RNP1
TF	OKATO				6000 or by ATC			RNP1
RWY21 SID RUP-61X								
CF	WZ503		212		700			RNP1
TF	DST							RNP1
TF	RUPOX							RNP1
RWY21 SID RUP-62X(by ATC)								
CF	WZ503		212		700			RNP1
TF	WZ505				1600			RNP1
TF	RUPOX							RNP1
RWY21 SID BZ-61X								
CF	WZ503		212		700			RNP1
TF	DST							RNP1
TF	WZ324							RNP1
TF	BZ							RNP1
RWY21 SID REM-61X								
CF	WZ503		212		700			RNP1
TF	WZ411							RNP1
TF	WZ402				ALT by ATC			RNP1
This procedure is unfinished.								
Changes: Procedure name.								

DATABASE CODING TABLE WENZHOU/Longwan

Path Terminator	Waypoint ID	Fly over	Magnetic Course(°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/TCH	Navigation Specification
TF	WZ421				2100 or by ATC			RNP1
TF	REMIM							RNP1
RWY21 SID Holding(Outbound Time:1min)								
HM	WZ401	Y	081	R	ALT by ATC	MAX400		RNP1
HM	WZ406	Y	099	R	ALT by ATC	MAX400		RNP1
RWY03 STAR BEG-51F								
IF	BEGMO				8400 or by ATC			RNP1
TF	WZ401				5500 or by ATC			RNP1
TF	WZ509				1800 or by ATC			RNP1
TF	WZ508					MAX380		RNP1
RWY03 STAR OKA-51F								
IF	OKATO				6300 or by ATC			RNP1
TF	WZ406				5500 or by ATC			RNP1
TF	WZ508					MAX380		RNP1
RWY03 STAR RUP-51F								
IF	RUPOX							RNP1
TF	WZ405				1800			RNP1
TF	DST				1200	MAX380		RNP1
RWY03 STAR RUP-52F(by ATC)								
IF	RUPOX							RNP1
TF	WZ505				1800	MAX380		RNP1
RWY03 STAR BZ-51F								
IF	BZ							RNP1
TF	WZ403				2100			RNP1
TF	DST				1200	MAX380		RNP1
RWY03 STAR REM-51F								
IF	REMIM							RNP1
TF	WZ402				1800			RNP1
TF	DST				1200	MAX380		RNP1
RWY03 Holding(Outbound Time:1min)								
HM	WZ508	Y	212	L	ALT by ATC	MAX400		RNP1
HM	DST	Y	099	R	1500	MAX400		RNP1

Changes: Procedure name.

Path Terminator	Waypoint ID	Fly over	Magnetic Course(°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/TCH	Navigation Specification
RWY21 STAR BEG-61F								
IF	BEGMO				$\underline{8400}$ or by ATC			RNP1
TF	WZ401				$\underline{5500}$ or by ATC			RNP1
TF	WZ605				$\overline{1200}$	MAX380		RNP1
RWY21 STAR OKA-61F								
IF	OKATO				$\underline{6300}$ or by ATC			RNP1
TF	WZ406				$\underline{5500}$ or by ATC			RNP1
TF	WZ605				$\overline{1200}$	MAX380		RNP1
RWY21 STAR RUP-61F								
IF	RUPOX							RNP1
TF	DST				3000 or by ATC			RNP1
TF	WZ605				$\overline{1200}$	MAX380		RNP1
RWY21 STAR RUP-62F(by ATC)								
IF	RUPOX							RNP1
TF	DST				3000 or by ATC			RNP1
TF	WZ422				$\underline{1800}$			RNP1
TF	WZ607				$\underline{1500}$	MAX380		RNP1
RWY21 STAR BZ-61F								
IF	BZ							RNP1
TF	WZ324							RNP1
TF	WZ403				ALT by ATC			RNP1
TF	DST				3000 or by ATC			RNP1
TF	WZ605				$\overline{1200}$	MAX380		RNP1
RWY21 STAR BZ-62F								
IF	BZ							RNP1
TF	WZ324							RNP1
TF	WZ403				ALT by ATC			RNP1
TF	WZ422				$\underline{1800}$			RNP1
TF	WZ605				$\overline{1200}$	MAX380		RNP1
RWY21 STAR BZ-63F(by ATC)								
IF	BZ							RNP1
TF	WZ324							RNP1

Changes: Procedure name.

Path Terminator	Waypoint ID	Fly over	Magnetic Course(°)	Turn Direction	Altitude (m)	IAS (km/h)	VPA/TCH	Navigation Specification
TF	WZ403				ALT by ATC			RNP1
TF	WZ422				1800			RNP1
TF	WZ607				1500	MAX380		RNP1
RWY21 STAR REM-61F								
IF	REMIM							RNP1
TF	WZ421				ALT by ATC			RNP1
TF	WZ402				ALT by ATC			RNP1
TF	WZ422				1800			RNP1
TF	WZ605				1200	MAX380		RNP1
RWY21 STAR REM-62F(by ATC)								
IF	REMIM							RNP1
TF	WZ421				ALT by ATC			RNP1
TF	WZ607				1500	MAX380		RNP1
RWY21 Holding(Outbound Time:1min)								
HM	WZ605	Y	032	L	ALT by ATC	MAX400		RNP1
HM	DST	Y	032	L	ALT by ATC	MAX400		RNP1
RWY03 Approach Transition WZ508								
IF	WZ508					MAX380		RNP1
TF	WZ507							RNP1
TF	WZ506							RNP1
TF	WZ505				1800			RNP1
TF	WZ504				1200			RNP1
TF	WZ503				750			RNP1
RWY03 Approach Transition WZ505								
IF	WZ505				1800	MAX380		RNP1
TF	WZ504				1200			RNP1
TF	WZ503				750			RNP1
RWY03 Approach Transition DST								
IF	DST				1200	MAX380		RNP1
TF	WZ503				750			RNP1
RWY21 Approach Transition WZ607								
IF	WZ607				1500	MAX380		RNP1
TF	WZ606				1200			RNP1
TF	WZ603				950			RNP1
RWY21 Approach Transition WZ605								
IF	WZ605				1200	MAX380		RNP1
TF	WZ604				1200			RNP1
TF	WZ603				950			RNP1

Changes: Procedure name.